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L Number	Hits	Search Text	DB	Time stamp
1	1	PARRISH-MATTHEW.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:20
2	7	DECIME-JERRY-B.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:30
3	9	HEWLETT-PACKARD WITH COMPANY.AS. AND (track\$3 with web)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:33
4	2	URL\$1! with (image near3 (tag or anchor)) with (user\$1! or client\$1! or operator\$1! or subscriber\$1!) adj (information or id or data or identifier or identification or account or password)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:43
5	2	(reference\$1! or redirect\$3 or URL\$1! or address\$2 or locator\$1!) with (image near3 (tag or anchor)) with (user\$1! or client\$1! or operator\$1! or subscriber\$1!) adj (information or id or data or identifier or identification or account or password)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:45
6	9	(response or command\$1! or refence\$1! or redirect\$3 or URL\$1! or address\$2 or locator\$1!) with (image near3 (tag or anchor)) with (user\$1! or client\$1! or operator\$1! or subscriber\$1!) adj (information or id or data or identifier or identification or account or password)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 09:46
12	0	((file or page or document) near5 (found or exist\$3 or retriev\$3 or obtain\$3) with error same (IMG near4 (tag or anchor))) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:21
13	237	((embed\$3 or insert\$3 or encapsulat\$3) with ((user adj information) or ((application or platform or client or computer or (operation adj system) or tool or engine))) with (id or identifier or identification or account) with (page or file or document)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:24
14	0	((embed\$3 or insert\$3 or encapsulat\$3) with ((user adj information) or ((application or platform or client or computer or (operation adj system) or tool or engine))) with (id or identifier or identification or account) with (page or file or document)) same ((image or IMG) near4 (tag or anchor))and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:25
16	0	(707/(3,10).ccls.) and ((file or page or document) adj3 (found or exist\$3 or retriev\$3 or obtain\$3) with ((error adj log) or (log adj file)) same (IMG near4 (tag or anchor))) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:27
15	78	(707/(3,10).ccls.) and (file or page or document) adj3 (found or exist\$3 or retriev\$3 or obtain\$3) with ((error adj log) or (log adj file)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:30
17	1	(URL\$1 or command\$1! or redirect\$4 or response or page or document\$1! or content\$1! or file\$1!) with ((image or IMG) near4 (tag\$1! or anchor\$1!)) with (error or non-exist\$3 or ((non or "not") adj exist\$3)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:34

L Number	Hits	Search Text	DB	Time stamp
18	33	((709/(203,217,219,223,224)).ccls.)) and (file or page or document) adj3 (found or exist\$3 or retriev\$3 or obtain\$3) with ((error adj log) or (log adj file)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 11:11
-	168	((embed\$3 or insert\$3 or encapsulat\$3) with ((user adj information) or ((application or platform or client or computer or (operation adj system) or tool or engine))) with (id or identifier or identification) with (page or file or document)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/24 10:22
-	3	(web adj (page\$1! or document\$1! or file\$1!)) with (embed\$4 or encapsulat\$3 or attach\$3 or append\$3) adj3 ((user adj information) or account or profile)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 15:45
-	23	(web adj (page\$1! or document\$1! or file\$1!)) with (embed\$4 or encapsulat\$3 or attach\$3 or append\$3) adj7 ((user adj information) or account or profile)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 16:13
-	5	((web adj (page\$1! or document\$1! or file\$1!)) with (embed\$4 or encapsulat\$3 or attach\$3 or append\$3) adj7 ((user adj information) or account or profile)) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 15:50
-	26	(web adj (page\$1! or document\$1! or file\$1!)) with (embed\$4 or encapsulat\$3 or attach\$3 or append\$3) adj7 ((user or client or operator) adj (id or identifier or identificaiton or information) or account or profile)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 16:15
-	5	(web adj (page\$1! or document\$1! or file\$1!)) with (embed\$4 or encapsulat\$3 or attach\$3 or append\$3) adj7 ((user or client or operator) adj (id or identifier or identificaiton or information) or account or profile) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 16:16
-	18	(web adj (page\$1! or document\$1! or file\$1!)) with URL adj7 ((user or client or operator) adj (id or identifier or identificaiton or information) or account or profile) and @ad<20001012	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 16:16

Status: Path 1 of [Dialog Information Services via Modem]

Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009998...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

***** HHHHHHHH SSSSSSSS?

Status: Signing onto Dialog

ENTER PASSWORD:

***** HHHHHHHH SSSSSSSS? *****

Welcome to DIALOG

Status: Connected

Dialog level 04.13.01D

Last logoff: 02may04 12:24:16

Logon file405 24sep04 11:30:47

*** ANNOUNCEMENT ***

--Connect Time joins DialUnits as pricing options on Dialog.
See HELP CONNECT for information.

--SourceOne patents are now delivered to your email inbox
as PDF replacing TIFF delivery. See HELP SOURCE1 for more
information.

--Important Notice to Freelance Authors--
See HELP FREELANCE for more information

NEW FILES RELEASED

***F-D-C Gold/Silver Sheet (File 184)

***BIOSIS Toxicology (File 157)

***IPA Toxicology (File 153)

UPDATING RESUMED

RELOADED

***Toxfile (File 156)

REMOVED

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>> of new databases, price changes, etc. <<<

* * * *

SYSTEM:HOME

Cost is in DialUnits

Menu System II: D2 version 1.7.9 term=ASCII.

*** DIALOG HOMEBASE(SM) Main Menu ***

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help

/L = Logoff

/NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).
?b compsci

24sep04 11:31:07 User264796 Session D29.1
\$0.00 0.200 DialUnits FileHomeBase
\$0.00 Estimated cost FileHomeBase
\$0.08 TELNET
\$0.08 Estimated cost this search
\$0.08 Estimated total session cost 0.200 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 2:INSPEC 1969-2004/Sep W2
(c) 2004 Institution of Electrical Engineers
***File 2: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.**
File 6:NTIS 1964-2004/Sep W3
(c) 2004 NTIS, Intl Cpyrght All Rights Res
File 8:EI Compendex(R) 1970-2004/Sep W2
(c) 2004 Elsevier Eng. Info. Inc.
File 34:SciSearch(R) Cited Ref Sci 1990-2004/Sep W3
(c) 2004 Inst for Sci Info
File 35:Dissertation Abs Online 1861-2004/Aug
(c) 2004 ProQuest Info&Learning
File 65:Inside Conferences 1993-2004/Sep W3
(c) 2004 BLDSC all rts. reserv.
File 92:IHS Intl.Stds.& Specs. 1999/Nov
(c) 1999 Information Handling Services
***File 92: This file temporarily not updating.**
File 94:JICST-EPlus 1985-2004/Aug W4
(c) 2004 Japan Science and Tech Corp (JST)
File 95:TEME-Technology & Management 1989-2004/Jun W1
(c) 2004 FIZ TECHNIK
***File 95: Customers in Germany, Austria, and Switzerland should contact their local Dialog representative.**
File 99:Wilson Appl. Sci & Tech Abs 1983-2004/Aug
(c) 2004 The HW Wilson Co.
File 103:Energy SciTec 1974-2004/Aug B2
(c) 2004 Contains copyrighted material
***File 103: For access restrictions see Help Restrict.**
File 144:Pascal 1973-2004/Sep W2
(c) 2004 INIST/CNRS
File 202:Info. Sci. & Tech. Abs. 1966-2004/Sep 09
(c) 2004 EBSCO Publishing
File 233:Internet & Personal Comp. Abs. 1981-2003/Sep
(c) 2003 EBSCO Pub.
File 239:Mathsci 1940-2004/Nov
(c) 2004 American Mathematical Society
File 275:Gale Group Computer DB(TM) 1983-2004/Sep 24
(c) 2004 The Gale Group
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info
File 647:CMP Computer Fulltext 1988-2004/Sep W2
(c) 2004 CMP Media, LLC
File 674:Computer News Fulltext 1989-2004/Aug W4
(c) 2004 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2004/Sep 23
(c) 2004 The Dialog Corp.

Set Items Description

?s (user? or application? or OS or (operation(w)system) or platform or computer? or client? or subscriber? or operator?)
Processing
Processing

```

Processed 10 of 20 files ...
Processing
Processing
Processed 20 of 20 files ...
Completed processing all files
    1690815 USER?
    6883878 APPLICATION?
    255851 OS
    2010239 OPERATION
    11661247 SYSTEM
    4885 OPERATION(W)SYSTEM
    321896 PLATFORM
    5381745 COMPUTER?
    355241 CLIENT?
    138353 SUBSCRIBER?
    996935 OPERATOR?
    S112547993 (USER? OR APPLICATION? OR OS OR (OPERATION(W)SYSTEM) OR
PLATFORM OR COMPUTER? OR CLIENT? OR SUBSCRIBER? OR
OPERATOR?)
?s s1(5n)(id or identifier or identification or account or password or name or label)
Processed 10 of 20 files ...
Processing
Processing
Processed 20 of 20 files ...
Completed processing all files
    12547993 S1
    70340 ID
    29976 IDENTIFIER
    1111684 IDENTIFICATION
    1088096 ACCOUNT
    31056 PASSWORD
    277820 NAME
    98794 LABEL
    S2 86970 S1(5N)(ID OR IDENTIFIER OR IDENTIFICATION OR ACCOUNT OR
PASSWORD OR NAME OR LABEL)
?s s2 (s) ((embed???? or attatch??? or insert??? or includ??? or encapsulat???) (4n) (URL
? or dodument? or page? or file? or redirect???? or command? or response) (5n) ((image or
IMG) (3w) (tag? or anchor?)))
Processed 10 of 20 files ...
Processing
Completed processing all files
    86970 S2
    432489 EMBED????
    103 ATTATCH???
    436509 INSERT???
    5834367 INCLUD???
    111567 ENCAPSULAT???
    20910 URL?
    6 DODUMENT?
    743591 PAGE?
    600455 FILE?
    19562 REDIRECT????
    392733 COMMAND?
    2633806 RESPONSE
    1676243 IMAGE
    1637 IMG
    203703 TAG?
    113061 ANCHOR?
    S3 0 S2 (S) ((EMBED???? OR ATTATCH??? OR INSERT??? OR
INCLUD??? OR ENCAPSULAT???) (4N) (URL? OR DODUMENT? OR
PAGE? OR FILE? OR REDIRECT???? OR COMMAND? OR RESPONSE)
(5N) ((IMAGE OR IMG) (3W) (TAG? OR ANCHOR?)))
?s s2 (s) ((embed???? or attatch??? or insert??? or includ??? or encapsulat???) (7n) (URL
? or dodument? or page? or file? or redirect???? or command? or response) (s) ((image or
IMG) (3w) (tag? or anchor?)))
Processed 10 of 20 files ...
Processing
Completed processing all files
    86970 S2

```

```

432489 EMBED????
103 ATTATCH???
436509 INSERT???
5834367 INCLUD???
111567 ENCAPSULAT???
20910 URL?
6 DODUMENT?
743591 PAGE?
600455 FILE?
19562 REDIRECT????
392733 COMMAND?
2633806 RESPONSE
1676243 IMAGE
1637 IMG
203703 TAG?
113061 ANCHOR?
S4 1 S2 (S) ((EMBED???? OR ATTATCH??? OR INSERT??? OR
INCLUD??? OR ENCAPSULAT???) (7N) (URL? OR DODUMENT? OR
PAGE? OR FILE? OR REDIRECT???? OR COMMAND? OR RESPONSE)
(S) ((IMAGE OR IMG) (3W) (TAG? OR ANCHOR?)))
?t s4/6,k/all

```

4/6,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01522280 SUPPLIER NUMBER: 12335096 (USE FORMAT 7 OR 9 FOR FULL TEXT)
MacUser minifinders: 1001 Macintosh products. (Buyers Guide)
August, 1992
WORD COUNT: 77991 LINE COUNT: 06173

... 480 pixels. Version 1.1 reviewed. Version 1.21 shipping. Requires Mac II series. \$995. **Computer Friends, Inc.**, 14250 N.W. Science Park Dr., Portland, OR 97229. 800-547-3303 or...size is large enough for most professional applications, but the 82-dpi resolution produces an **image** that may appear too condensed. Sharpness, focus, and color quality are excellent. Includes Stepping Out...to interpret user queries. Interface is often confusing. Provides basic charting and simple animations. Imports **files** in many formats, **including** Excel 3.0, WKS, WK1, DBF, DIF, SYLK, and text files using standard database delimiters...

```

?s URLs (5n) (broken or error) (4n) (image? or figure? or picture?)
7149 URLs
112103 BROKEN
1050892 ERROR
2278671 IMAGE?
422936 FIGURE?
419077 PICTURE?
S5 5 URLs (5N) (BROKEN OR ERROR) (4N) (IMAGE? OR FIGURE? OR
PICTURE?)

```

?t s5/6,k/all

5/6,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02502580 SUPPLIER NUMBER: 74494340 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Mend Your E-Mail's Broken Links.(Product Support)(Column)
June, 2001
WORD COUNT: 1581 LINE COUNT: 00121

... have prevented line-wrap from breaking my link by posting the message in HTML format. **FIGURE 1** shows two long **URLs** an e-mail message: one **broken**, and one that works. Some mailing-list subscribers oppose receiving any format other than plain...

5/6,K/2 (Item 2 from file: 275)
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01976981 SUPPLIER NUMBER: 18651159
WEB Office -- all the tools needed to build a Web site. (Blue Sky Software)

(Technology Front) (Software Review) (Evaluation) (Column)
Sep, 1996

...ABSTRACT: called Web Doctor is especially valuable. Web Doctor lets a user check a system for **broken** links, missing **images** and external **URLs**, as well as for suspect images and pages. WEB Office is recommended for both the...

5/6,K/3 (Item 1 from file: 647)
DIALOG(R)File 647:(c) 2004 CMP Media, LLC. All rts. reserv.

01178776 CMP ACCESSION NUMBER: NWC19981115S0020
Site Management: Content Analyzers Trip the Link Fantastic
PUBLICATION DATE: 981115
WORD COUNT: 2790

... for modem, ISDN and T1 based on file and page size. Other sections include an **image** gallery complete with thumbnails, **broken** links, orphaned **URLs** (links that cannot be reached from another link) and lists of links with low-level...

5/6,K/4 (Item 2 from file: 647)
DIALOG(R)File 647:(c) 2004 CMP Media, LLC. All rts. reserv.

01100747 CMP ACCESSION NUMBER: NTG19960801S0072
Choosing the Right Tool for Web Management
PUBLICATION DATE: 960801
WORD COUNT: 3836

... of its findings in your browser.
The report itself covers much of the usual errors: **broken** links, missing **images**, external **URLs** (which are hyperlinked so you can check them manually), along with alphabetical listings of all...

5/6,K/5 (Item 3 from file: 647)
DIALOG(R)File 647:(c) 2004 CMP Media, LLC. All rts. reserv.

01089373 CMP ACCESSION NUMBER: WIN19960601S0064
Web Software (In Brief)
PUBLICATION DATE: 960601
WORD COUNT: 244

... links. The WaveFront graphical interface provides Webmasters with a map of a site's pages, **images** and links to pinpoint **broken** or missing **URLs**. Users can generate a hypertext-linked report with complete site information, and they can correct...
?s track??? (4w) ((user? or client?) (w) (interact???) (4n) (web or network or search) (2w) (re source? or tool? or engine?))
Processing
Processed 10 of 20 files ...
Processing
Processed 20 of 20 files ...
Completed processing all files
674690 TRACK???
1690815 USER?
355241 CLIENT?
2859297 INTERACT???
569437 WEB
2162533 NETWORK
619640 SEARCH
1396545 RESOURCE?
1689126 TOOL?
3687809 ENGINE?
S6 0 TRACK??? (4W) ((USER? OR CLIENT?) (W) (INTERACT???) (4N) (WEB OR NETWORK OR SEARCH) (2W) (RESOURCE? OR TOOL? OR ENGINE?))
?s track??? (4w) ((user? or client?) (w) (interact???) (4n) (web or network or search) (2w) (re


```

source? or tool? or engine?))
Processing
Processed 10 of 20 files ...
Completed processing all files
    674690 TRACK???
    1690815 USER?
    355241 CLIENT?
    2859297 INTERACT???
    569437 WEB
    2162533 NETWORK
    619640 SEARCH
    1396545 RESOURCE?
    1689126 TOOL?
    3687809 ENGINE?
S7      0 TRACK??? (4W) ((USER? OR CLIENT?) (W) (INTERACT???) (4N) (WEB
    OR NETWORK OR SEARCH) (2W) (RESOURCE? OR TOOL? OR ENGINE?))
?s (trac??? or manag??? or monitor??? or track???) (s) ((user? or client?) (3n) (interact??
? or access??? or use or using) (6n) (web or network or search) (2w) (resource? or tool? or e
ngine?))
Processing
Processed 10 of 20 files ...
Processing
Processing
Processed 20 of 20 files ...
Completed processing all files
    1750963 TRAC???
    998419 MANAG???
    1622510 MONITOR???
    674690 TRACK???
    1690815 USER?
    355241 CLIENT?
    2859297 INTERACT???
    1207072 ACCESS???
    5827847 USE
    10419838 USING
    569437 WEB
    2162533 NETWORK
    619640 SEARCH
    1396545 RESOURCE?
    1689126 TOOL?
    3687809 ENGINE?
S8      762 (TRAC??? OR MANAG??? OR MONITOR??? OR TRACK???) (S)
    ((USER? OR CLIENT?) (3N) (INTERACT??? OR ACCESS??? OR USE
    OR USING) (6N) (WEB OR NETWORK OR SEARCH) (2W) (RESOURCE? OR
    TOOL? OR ENGINE?))
?s (track??? or manag??? or monitor??? or trac???) (5n) (image? or IMG) (3w) (URL? or tag? or
anchor?)
    674690 TRACK???
    998419 MANAG???
    1622510 MONITOR???
    1750963 TRAC???
    2278671 IMAGE?
    1637 IMG
    20910 URL?
    203703 TAG?
    113061 ANCHOR?
S9      18 (TRACK??? OR MANAG??? OR MONITOR??? OR
    TRAC???) (5N) (IMAGE? OR IMG) (3W) (URL? OR TAG? OR ANCHOR?)
?s s8 and s9
    762 S8
    18 S9
S10     0 S8 AND S9
?s (IMAGE? OR IMG) (3W) (URL? OR TAG? OR ANCHOR?)
    2278671 IMAGE?
    1637 IMG
    20910 URL?
    203703 TAG?
    113061 ANCHOR?
S11     996 (IMAGE? OR IMG) (3W) (URL? OR TAG? OR ANCHOR?)

```

```
?s s8 (s) s9
      762 S8
      18 S9
      S12 0 S8 (S) S9
?s s8 (s) s11
      762 S8
      996 S11
      S13 0 S8 (S) S11
?s s8 and s11
      762 S8
      996 S11
      S14 1 S8 AND S11
?t s14/6,k/all
```

14/6,K/1 (Item 1 from file: 275)
 DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02425203 SUPPLIER NUMBER: 63298098 (USE FORMAT 7 OR 9 FOR FULL TEXT)
2000 Buyer's Guide and Consultants Directory.(Buyers Guide)
 July, 2000
 WORD COUNT: 34520 LINE COUNT: 03665

... Client and Server software, Inventory, Advanced Booking, Portable Circulation and MediaLink for linking multimedia files (**images** , sound, video and **URLs**) to bibliographic records. Best-Seller can also provide outsourcing services such as server housing and...archives.

Information management products: DB/TextWorks a text retrieval software that enables information professionals to **manage** text, images, and multimedia. DB/Text WebPublisher is NT server software for publishing knowledgebases on...

...index browser and high-speed fielded search engine make searching fast and easy. DB/Text **Interactive** WebPublisher enables **users** to fully **interact** with information via a Web browser--allowing them to add comments and reviews and collaborate...

```
?s broken(w)image(track??)
      112103 BROKEN
      0 IMAGE(TRACK??)
      S15 0 BROKEN(W)IMAGE(TRACK??)
?s (broken(w)image(w)track???)
      112103 BROKEN
      1676243 IMAGE
      674690 TRACK???
      S16 0 (BROKEN(W)IMAGE(W)TRACK???)
?s (image or IMG) (3n)track??? (5n)URL?
      1676243 IMAGE
      1637 IMG
      674690 TRACK???
      20910 URL?
      S17 1 (IMAGE OR IMG) (3N)TRACK??? (5N)URL?
?t s17/6,k/all
```

17/6,K/1 (Item 1 from file: 647)
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01080261 CMP ACCESSION NUMBER: CRN19960205S0075
TECHNOLOGY CLOSEUP: PAINTER SURPASSES ALL OTHERS IN INTERNET TOOLS AND SUPPORT - Web features scarce in graphics programs
 PUBLICATION DATE: 960205
 WORD COUNT: 396

... With Painter, you create your image using floating objects to define the regions of the **image** map and assign different **URLs** -Internet addresses-to the floaters. When you edit the **image** or move floaters, Painter keeps **track** of the **URLs** .

Painter has gone furthest in Internet support. Besides the features mentioned above, it includes Net...

```
?s (image or IMG)
      1676243 IMAGE
```

1637 IMG
S18 1677402 (IMAGE OR IMG)
?s s18 (3w) (tag? or URL?)
1677402 S18
203703 TAG?
20910 URL?
S19 492 S18 (3W) (TAG? OR URL?)
?s s8 and 19
762 S8
983578 19
S20 32 S8 AND 19
?t s20/6,k/1-10

20/6,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02605962 SUPPLIER NUMBER: 86435222 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Products Of The Year -- Among the thousands of new products that appeared
in 2001, the editors of Network Magazine recognize 31 that stand out from
the rest.**
May 1, 2002
WORD COUNT: 12476 LINE COUNT: 01040

... when it's needed. You can pack up to 42 servers into an
industry-standard 19 -inch rack, clustered together using CT2, an
interconnect system IBM designed to cut down on they have authorization to
access . Users can also handle network management via a Web -based tool
, allowing administrators to monitor the NetWare server and any storage
servers attached to it.
Because NetWare is intended only...

20/6,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02427739 SUPPLIER NUMBER: 64343681 (USE FORMAT 7 OR 9 FOR FULL TEXT)
**Banner Ads Now Passe, Says Coms Company.(Lewis, the marketing
communications firm)**
August 17, 2000
WORD COUNT: 436 LINE COUNT: 00038

... latest research from Forrester Research, completed in May. The
research firm's UK Internet User Monitor survey found 81 percent of
users tend to find Web sites they are interested in using search
engines , up from 67 percent in 1999.
The next most popular source was by following links...

...is at <http://www.lewispr.com> .
Reported by Newsbytes.com, <http://www.newsbytes.com> .
12: 19 CST
(20000817/Press Contact: Clive Booth, Lewis, +44-20-7802-2626 /WIRES
ONLINE, BUSINESS/)

20/6,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02425203 SUPPLIER NUMBER: 63298098 (USE FORMAT 7 OR 9 FOR FULL TEXT)
2000 Buyer's Guide and Consultants Directory.(Buyers Guide)
July, 2000
WORD COUNT: 34520 LINE COUNT: 03665

... archives.
Information management products: DB/TextWorks a text retrieval
software that enables information professionals to manage text, images,
and multimedia. DB/Text WebPublisher is NT server software for publishing
knowledgebases on...

...index browser and high-speed fielded search engine make searching fast

and easy. DB/Text **Interactive WebPublisher** enables **users** to fully **interact** with information via a Web browser--allowing them to add comments and reviews and collaborate...info@lssi.com

http://www.lssi.com
Library Technologies, Inc.
2300 Computer Ave.
Suite D- 19
Willow Grove, PA 19090
215-830-9320
800-795-9504
(Fax) 215-830-9422
http...

20/6,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02350390 SUPPLIER NUMBER: 57617295 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Net Security Can Be Full Of Holes.(IT security standards lacking)(Industry Trend or Event)
Nov 15, 1999
WORD COUNT: 156 LINE COUNT: 00015

Of the 152 companies surveyed by The Cutter Consortium, 19 .7 percent had no IT security standards in place. Such policies are described as standard ways of developing and deploying secure applications, as well as **managing** internal and external **users ' access to network resources** , according to Cutter, Arlington, Mass. However, 60 percent plan to implement such a policy by...

20/6,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02112287 SUPPLIER NUMBER: 19905074 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Public key infrastructures. (protecting data within a network) (includes related article on whether to use outside certificate authorities) (Technology Information)
Nov, 1997
WORD COUNT: 3953 LINE COUNT: 00307

ABSTRACT: A public-key infrastructure (PKI) lets network managers provide internal **users** and authorized external parties with a secure, authenticated way to **access network resources** and complements external security measures such as firewalls while strengthening traditional means of securing access. PKI **manages** key pairs and certificates and is currently used mainly in electronic commerce applications, but some...

...key is indeed that of the person who claims ownership of it. Certificates can be **managed** with special software or through an outside 'certificate authority' such as VeriSign. 'Key recovery' lets...
... An individual Web browser certificate from Verisign (Mountain View, CA) can cost \$9.95 to \$ 19 .95 a year. Multiply that amount by the number of users in your care and...

20/6,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02087729 SUPPLIER NUMBER: 19433643 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The slow climb of network salaries. (Network Magazine's 4th Annual Salary Survey) (includes related article on job descriptions) (Industry Trend or Event) (Cover Story)
June, 1997
WORD COUNT: 4857 LINE COUNT: 00418

... next 12 months 43
Certifications

(percentage with)	
NetWare	26
Windows NT	15
Unix	12
Other	19
Company (percentage)	
of respondents who	
work at)	
Privately held	32
Publicly held	36
Government	9...company to company.

By and large, network managers are an educated group. Of the respondents, 19 percent have a master's degree or doctorate and 43 percent have a bachelor's...

...employees in the last two years.

IS managers seem to be the most loyal--only 19 percent plan to explore other venues in the next year. After working their way up...He or she reports to the network/systems manager.

Network administrator. This person ensures that **users** have day-to-day **access** to **network resources**. He or she provides **user**-level network services, such as assigning passwords and accounts, administering e mail, and setting permissions...

...and network-based applications. He or she reports to the network engineer or network/systems **manager**.

End-user Support Group

End-user support manager. This person is responsible for ensuring that

...

20/6,K/7 (Item 7 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02038157 SUPPLIER NUMBER: 19049111 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Read all about it. (cyberspace benefits newspapers and magazines) (includes related article on digital news) (Internet/Web/Online Service Information)

Nov, 1996

WORD COUNT: 3936 LINE COUNT: 00306

... November 1, 1996, the publication will be available only by subscription at a cost of \$ 19 .95 for one year or \$34.95 for two.

The Seattle Times' Wagner says his...started out as an archive, but now we've moved to asset management, which includes **managing** and distributing photos, text, and audio clips," says Bill Toner, GMTI's vice president of operations. **Using** the built-in **search engine**, **users** can **access** these resources by simply describing what they want.

Papers with direct **access** to Associated Press photographs and stories can browse information as it comes in and send...

20/6,K/8 (Item 8 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

02006082 SUPPLIER NUMBER: 18873226 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Soup up your server. (identifying bottlenecks to enhance performance of AppleShare servers) (Technology Tutorial) (Tutorial)

Jan, 1997

WORD COUNT: 2883 LINE COUNT: 00220

TEXT:

...network and server, learning how, why, and when one or both slows down. Start by **monitoring** all aspects of the network and server during a week or two of normal use...

...Apple's AppleShare Server Solution CD-ROM, the AG Group's Skyline and Satellite network- **monitoring** software and Santorini Consulting and Design's Server **Manager** 3.2 are the two key tools that will help you

start assessing your overall...

...own activity provides a bigger window to what's really going on. Santorini's Server **Manager**, also included on the AppleShare Server Solution CD-ROM, goes beyond the abilities of the...

...alerts, administer users and groups, and perform a host of other activities. It is Server **Manager**'s **monitoring** capabilities that come in handy for finding out whether your server is overutilized. You can **monitor** file and folder operations, such as deleting, opening, and renaming files and folders. Even Server **Manager** doesn't distinguish among CPU, NIC (network interface card), ...really want a low-level look inside the server, consider purchasing Santorini's \$195 Server **Tracker**, which can show you such things as file I/O calls and which client is making them.) If Server **Manager** turns up a heavily loaded server and if network utilization seems to be within reasonable...

...Nickle and Diming It If you've segmented your Ethernet network to limit competition among **users** for **access** to **network resources**, you've probably been frustrated that server **access** is still slow for some (or all) **users**. Since everyone on the network must traverse the same network segment to get to the...software. Not surprisingly, the server with the SledgeHammer fared better than that with AppleRAID, delivering **19** -percent-faster throughput than the baseline system for a 48-client load. Like adding RAM...

...network itself, gather as much information as you can, using common sense and network-**monitoring** tools. Once that's done, you can add a pinch of this and that until...

...is just right. Kelli Wiseth is a MacUser contributing editor. Associate Project Leader James Galbraith **managed** the testing for this report. NetBench 5.0, the benchmark software used in testing for...

...that the problem lies with the server, not the network. figure 2 / Santorini's Server **Manager** 3.2 includes the functions of the AppleShare administration program (**managing** users and groups, setting and clearing the AppleShare cache) but goes further. The **Monitor** & Control window's activity pane shows current server utilization, averaged over time, and the maximum...

20/6,K/9 (Item 9 from file: 275)
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01961581 SUPPLIER NUMBER: 18486374 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Internet access dilemma. (11 TCP/IP software products) (Software Review)(Evaluation)
July, 1996
WORD COUNT: 5684 LINE COUNT: 00474

... its LAN WorkGroup 4.2 product. LAN WorkGroup is a connectivity package that provides NetWare **users** with transparent **access** to TCP/IP **network resources** from their desktops. It also lets system administrators **manage** a TCP/IP network from a single file server location.

In LAN WorkGroup, Novell includes...Navigator.

Tun EMUL runs over numerous types of network and serial connections and accurately emulates **19** Unix, DEC, and IBM terminals. It supports TCP/IP, serial lines, modems, and IPX. Tun...

20/6,K/10 (Item 10 from file: 275)
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01890677 SUPPLIER NUMBER: 17488771 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Internetwork 1995 TCP/IP software directory. (Internetwork supplement)(includes company index)(Buyers Guide)
August, 1995
WORD COUNT: 14920 LINE COUNT: 01298

... communications between workgroups, and the ability to change Internet network configurations and access via software. Using CERFnet services and software, network **managers** can detail bandwidth availability for specific **users** or **user** groups from 14.A Kbps to 45 Kbps.

* Internet and Web access tools

CERFnet's family of Internet and Web access tools smoothly and seamlessly integrates with leading...protocols. It requires only one event timer. The minimum configuration can be as small as 19 .4KB, with a fully configured object environment occupying less than 60KB of memory. It also

...
?t s20/6,k/11-20

20/6,K/11 (Item 11 from file: 275)
DIALOG(R)File 275:(c) 2004 The Gale Group. All rts. reserv.

01797417 SUPPLIER NUMBER: 17028378 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NetWare everywhere: Promise or pipe dream? (Novell's plan to challenge Microsoft)(Cover Story)
June, 1995
WORD COUNT: 2338 LINE COUNT: 00191

... Factor
Novell credits improving sales of NetWare 4.1 as a key reason for a 19 % sales increase in its NetWare Systems Group for Q1/95. According to Frankenberg, sales of...

...the multiprotocol routing capabilities in NetWare 4.1.

Richard King, executive vice president and general **manager** of Novell's NetWare Systems Group, claims NetWare 4.1 can meet the enterprise-wide...

...in V.4.1|," said King. The 10-year Novell veteran said NDS services provide **access** to an entire network through a single log in; earlier NetWare versions required **users** to log in to individual servers. GUI utilities let end **users** and administrators **access network resources** with drag-and-drop operations.

In addition, NDS incorporates a distributed database that can be...

20/6,K/12 (Item 12 from file: 275)
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01765407 SUPPLIER NUMBER: 16763850 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NETWORK EXPRESS ENHANCES ITS NE ISDN INTERHUB, ROUTER.
March 23, 1995
WORD COUNT: 264 LINE COUNT: 00020

TEXT:

...is now shipping new versions of its NE ISDN InterHub, designed to give geographically dispersed **users access** to central **network resources** via ISDN, and the NE ISDN Router, which is designed to provide ISDN-based bridging...

...from \$5,900 for a four-line, eight-connection ISDN Basic Rate system, up to \$ 19 ,900 for a two-line, 46-connection ISDN Primary Rate system. Version 3.0 of...

...NE ISDN Router is said to add support for Dynamic Management (designed to enable network **managers** to make configuration changes without interrupting the network); Internet Packet Exchange spoofing; and support for...

20/6,K/13 (Item 13 from file: 275)
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01540396 SUPPLIER NUMBER: 12683848 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Strike up the band width. (upgrading desktop microcomputers and networks to

take advantage of new multimedia technology) (includes related article on meeting the multimedia microcomputer standard and a multimedia glossary) (Cover Story)

Nov, 1992

WORD COUNT: 4777 LINE COUNT: 00380

... says Jim Long, Starlight Networks president. It works on 10BaseT and thin Ethernet. The software **manages** the storage of streaming data or video, so many **users** can **access** the same video or multiple videos. It also ensures that sufficient **network** and server **resources** exist to guarantee delivery of the stream of data to the desktop computer. In essence...

...staff, and visitors to the Ball State University campus in Muncie, IN. By touching a 19 -inch color monitor that displays high-resolution graphics, full-motion video, and digitized audio, users...

20/6,K/14 (Item 14 from file: 275)

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01538937 SUPPLIER NUMBER: 12325117 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Low-pain Windows. (Microsoft Windows 3.1 graphical user interface) (Cover Story)

July, 1992

WORD COUNT: 3135 LINE COUNT: 00232

... PROGRAM.INI to include the new group.

Tip #4: Restrict users' customization of their Program **Manager** . Even with a shared program group, you don't have enough control over your users...

...In a typical DOS-based network, the system administrator creates a series of menus for **users** , and the **users** ' **access** to **network resources** is limited to the applications that appear on their menus.

With Windows 3.0, you...install these icons in the first place. You can get a Windows Resource Kit for \$ 19 .99 from Microsoft. The Windows Resource Kit is the technical documentation for Windows 3.1...

20/6,K/15 (Item 15 from file: 275)

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01535155 SUPPLIER NUMBER: 12674503 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NCR's ADDS turns to Intel's 80960 RISC for new X-stations.(NEC Corp.'s Applied Digital Data Systems Inc., reduced-instruction-set computing) (new 3533 XLR family of X-stations) (Product Announcement)

Sept 3, 1992

WORD COUNT: 406 LINE COUNT: 00030

... The new 3533 XLR line of stations comes in nine models offering a variety of **monitor** sizes in monochrome, grey scale, and colour. They offer simultaneous operation of a local network...

...serial ports plus a separate parallel port for network printing, and xEasy software to help **manage** installation, operation, and remote administration of the X station; xEasy encompasses a range of X...

...s viewpoints. The XLR X-stations offer standard XTerm, local client support of Motif Window **Manager** and VT220 terminal emulation, and two serial and one parallel ports, the company says. The...

...moving to NCR's System 3000 Unix line. The 3270/X software will provide 3270 **client** capability, with integrated **access** to other **network resources** such as Unix, X Window applications and standard character terminal applications, and is planned for first quarter 1993. With **monitor** , keyboard, mouse and 4Mb memory, the XLR14C, 14" colour 1,024 by 768 pixel model...

...a 17" colour 1,280 by 1,024 model at \$4,900, and the XLR19CHR 19 " version of that is \$5,900. The XLR17G is a 17" grey scale 1,152 by 900 model at \$3,100, and the XLR19G is a 19 " 1,280 by 1,024 variant at \$3,500. The 17" and 19 " mono versions are \$2,600 and \$3,000 respectively.

20/6,K/16 (Item 16 from file: 275)

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01533698 SUPPLIER NUMBER: 12614421 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SoftShell eases chore of adding users to network. (SoftShell Systems Inc.'s LAN Tamer 2.2 program development software) (Brief Article) (Product Announcement)
Sept 7, 1992
WORD COUNT: 346 LINE COUNT: 00027

... network administrator establish groups of users with predefined server-access rights.

For example, a LAN **manager** could establish a marketing or engineering group and grant all **users** in the group **access** to the same **network resources** with the character- and menu-based product.

The ability to create groups is especially important...

...for a single server. A multiserver version costs \$395 for the first three users and \$ 19 .95 for each additional user, according to Leal. Upgrades are free.

SoftShell Systems, a privately...

20/6,K/17 (Item 17 from file: 275)

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01530053 SUPPLIER NUMBER: 12464492 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Frye Computer Systems Inc.: Frye Utilities for Networks: NetWare Management and NetWare Early Warning System. (Software Review) (one of six network management and performance analysis software evaluations in 'Server-Monitoring Software: Getting Inside Your File Server') (Evaluation)
Sept 15, 1992
WORD COUNT: 799 LINE COUNT: 00064

...ABSTRACT: s NetWare 3.x network operating system. The NetWare Management software is an easy-to- use troubleshooting package that provides **network resource** , **user** , configuration and printer server information. The Early Warning System enables users to set parameters when

...

Version 1.11B

NetWare Early Warning System (EWS), Version 1.1

Frye Computer Systems Inc., 19 Temple Pl., Boston, MA 02111;

800-234-3793, 617-451-5400; fax, 617-451-6711...

20/6,K/18 (Item 18 from file: 275)

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01451593 SUPPLIER NUMBER: 11356949 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Multiserver network operating systems. (Microsoft Corp.'s LAN Manager 2.0, Novell Inc.'s NetWare 3.11 and NetWare 2.2) (Software Review) (includes related articles on overall evaluation, on ease of learning, on versatility, on performance and on operating system performance) (evaluation)
Sept 11, 1991
WORD COUNT: 5656 LINE COUNT: 00514

... individual and groups of users. Naming makes it easier for administrators to set up and **manage user** login names and permissions, and it simplifies **user** login procedures and **access** to **network resources** .

Domain are essential to naming service implementations. None of the

naming systems currently comply with...t encompass all network resources, such as file services. NNS facilitates management of groups of **users** and noticeably improves **user access** to multiple servers. NNS is supported on NetWare 3.x, 2.15 and above, Advanced...to 2,400bps (workstations) or Wide Area Network Interface Module (WNIM adaptor) ports up to **19 .2Kbps** (server or workstations).

Each WNIM contains four ports. Two WNIM adaptors can be installed...

20/6,K/19 (Item 19 from file: 275)

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01293082 SUPPLIER NUMBER: 07234278 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Products. (MicroScope: local-area network operating system and management software) (directory)

May 1, 1989

WORD COUNT: 1621 LINE COUNT: 00132

... he said. ''Since you can backtrack, you can determine who caused the problem.''

The product **monitors** local as well as **network resources**. ''Even if a **user** is **accessing** a local application on the C drive, [Lanscope] still **tracks** them,'' said Hammons. ''We swear by it.''

Stan Showalter, security administrator with the Colorado Department ...retails for \$595 per file server with unlimited workstation usage.

LAN Services Inc. is at **19** Rector St., New York, N.Y. 10006 (212) 797-3800.

According to users . . .

''End users...

20/6,K/20 (Item 20 from file: 275)

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01284767 SUPPLIER NUMBER: 07265851 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Novell eyes multiprotocol access. (product announcement)

Jan 23, 1989

WORD COUNT: 488 LINE COUNT: 00040

...ABSTRACT: of LAN adaptors and network software by enabling them to write to a single interface. **19** software and hardware vendors plan to support OLI, including Compaq Computer Corp, Western Digital Corp...

... hardware and software to use multiple network protocols simultaneously.

Novell officials said that at least **19** network hardware and software vendors plan to support Novell's new Open Link Interface (OLI...

...s OS/2 LAN Manager and in Apple's Macintosh networking software.

Like the Protocol **Manager** component of Microsoft's OS/2 LAN **Manager**, OLI will allow **users** to **access network resources** using different network protocols simultaneously.

Users on a Novell NetWare network, for example, will be able to **access** mail on a NetWare server, while at the same time accessing a file on a...

?t s20/6,k/21-32

20/6,K/21 (Item 21 from file: 275)

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01243815 SUPPLIER NUMBER: 06686979 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Software connectivity's new frontier. (one of five related articles on connectivity) (includes related article on results of reader survey on networking)

June 14, 1988

WORD COUNT: 1365 LINE COUNT: 00110

... of networking software from Novell and Banyan offer significantly enhanced capabilities for network troubleshooting, activity **monitoring**, security, and resource control. Novell also provides an excellent means of

billing **users** for the **use** of **network resources** .

Since the majority of network operating systems don't help the administrator install applications, keep...attachment and 3270 remote modem attachment are the most popular gateway connections (21 percent and 19 percent, respectively). We were surprised at the low responses (4 percent each) for IBM 3770...

20/6,K/22 (Item 1 from file: 647)

DIALOG(R)File 647:(c) 2004 CMP Media, LLC. All rts. reserv.

01204496 CMP ACCESSION NUMBER: CRN19991115S0058

Net Security Can Be Full Of Holes

PUBLICATION DATE: 991115

WORD COUNT: 150

Of the 152 companies surveyed by The Cutter Consortium, 19 .7 percent had no IT security standards in place. Such policies are described as standard ways of developing and deploying secure applications, as well as **managing** internal and external **users** ' **access** to **network resources** , according to Cutter, Arlington, Mass. However, 60 percent plan to implement such a policy by...

20/6,K/23 (Item 2 from file: 647)

DIALOG(R)File 647:(c) 2004 CMP Media, LLC. All rts. reserv.

01145404 CMP ACCESSION NUMBER: INW19971117S0056

VPN Economics Can Be Elusive

PUBLICATION DATE: 971117

WORD COUNT: 823

... can outsource their modems to ISPs, which frees IT personnel from the administrative burdens of **managing** modems, ISDN terminal adapters and remote **access** servers needed for their **users** to connect to corporate **network resources** .

Second, companies can reduce recurring telecommunications charges when users start dialing into the network through...

...if users who dial in locally are switched to paying a flat monthly rate of \$ 19 .95 to an ISP, but then must incur in-state long distance charges to connect...

20/6,K/24 (Item 3 from file: 647)

DIALOG(R)File 647:(c) 2004 CMP Media, LLC. All rts. reserv.

01083551 CMP ACCESSION NUMBER: IWK19960304S0043

Throwing Up A Wall

PUBLICATION DATE: 960304

WORD COUNT: 141

TEXT:

... your recent article on Internet/intranets to be right on target ("Your Worst Nightmare,"Feb. 19 , p. 34)

... our division's networks, the damage is contained.

In addition, our design also requires internal **users** to authenticate themselves to the remote **network** before any **resources** can be **accessed** , allowing us to **manage** the internal hacking threat.

Lee Spenadel

Director of Network Planning and Engineering

Viacom International

New...

20/6,K/25 (Item 4 from file: 647)

DIALOG(R)File 647:(c) 2004 CMP Media, LLC. All rts. reserv.

00601454 CMP ACCESSION NUMBER: UNX19910513S1042

Users Divided On Value Of X Terminals
PUBLICATION DATE: 910513
WORD COUNT: 1465

... from about \$985 for Visual Technology's X-14/es to \$8,200 for a 19 -inch color IBM XStation 130. Workstations, priced as low as \$5,000 in a diskless...

...list price of whatever the comparable workstation would be," he said. Drew Davis, channels marketing **manager** at Tektronix, said X terminals provide a specialized node in a collective computing environment, offering a common standard **user** interface to **access network resources**.

However, a workstation **user** at a Midwest-based defense contractor, who preferred anonymity, said his division frowned on X...

20/6,K/26 (Item 1 from file: 674)
DIALOG(R)File 674:(c) 2004 IDG Communications. All rts. reserv.

085568

The benefits of a Windows 2000 cluster

High-availability services are easy to install and manage, but clustering software needs more automation.

Publication Date: July 03, 2000

Text:

... the benefits of a Windows 2000 cluster High availability services are easy to install and **manage**, but clustering software needs more automation. By Jeffrey Fritz A clustering configuration is like a Hummer...

...our test was to determine the ease of operation, the reliability and the ability to **manage** this cluster server package. We tested the ability to do rolling upgrades, network load balancing...

... to dismiss before service could be restored. The unit tested was a sizable seven-foot, 19 -inch rack-mounted system with six ProLiant 1850R servers and a separate 1850R running as...

... servers, data resources, security and management. Under the clustering infrastructure used by Windows 2000, the **clients access** the cluster services through a series of IP-based servers that handle Network Load Balancing...

... node has its own memory and disk storage. At any instant, only one node is **managing** each disk. Nodes across a common link that is separate from the connection used to...

... to another server. Rolling upgrades One of the biggest problems facing server administrators is how to **manage** and schedule maintenance - particularly when this involves upgrades to the system that result in server...

20/6,K/27 (Item 2 from file: 674)
DIALOG(R)File 674:(c) 2004 IDG Communications. All rts. reserv.

074387

Xylan puts policies in switches

Publication Date: May 03, 1999

Text:

... from Extreme Networks, IBM, Lucent and others. Policy-based networking is the ability to grant **users** varying levels of **access to network resources**, such as servers and network bandwidth. Network administrators can use the policy server to give...

...priority and bandwidth through Xylan switches, according to the company. The authentication service requires that **users** log on to the network. The software **accesses** security databases **using** either RADIUS or the

Lightweight Directory Access Protocol (LDAP) to verify that the **users** are allowed access to **network resources**. For directory services, Xylan switches **use** an LDAP **client** to **access** a directory server. Therefore, the switches will know what policies to assign to **users** listed in the directory. For IP address management, Xylan uses the Dynamic Host Configuration Protocol...

... Xylan is also shipping a Java-based management application called QoS PolicyView, which helps network **managers** build policies and set them on Xylan switches. IP Control costs \$495. The LDAP client...

... Xylan's chassis-based switches and \$1,000 for its stackable switches. QoS PolicyView is \$ 19 ,995. All products are available now.

20/6,K/28 (Item 3 from file: 674)
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066237

A (barely) passing grade

Web-based tools help net management vendors boost rating in annual survey, but age-old problems persist.

Publication Date: May 11, 1998

Text:

... the influence of the World Wide Web. Nearly one-third of respondents said they are **using Web**-based management **tools**, as compared with 18% in 1997. **Users** were particularly happy with the ability of Web-based tools to enable them to **manage** their nets from anywhere with an Internet connection (3.90); their ease of use (3...

...to share management information with more people (3.76); and the ability to give end **users** information they can **use** to help themselves (3.73).

Web-based **tools** fared somewhat worse in their ability to aggregate information from multiple sources (3.45) and...

... scores. Readers said they were especially dissatisfied with their ability to optimize application performance (3. 19) and troubleshoot application problems (3.30).

"We want to know about a problem before the...the frameworks. The good news for framework vendors, however, is that number is up from 19 .5% last year and from 22% in 1996.

By contrast, 55% of respondents said their...

20/6,K/29 (Item 4 from file: 674)
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059585

Browsers gain query tool ground

19

Browsers gain query tool ground

Publication Date: May 19, 1997

19

Text:

... MicroStrategy, Inc.'s DSS Agent client/server tool and DSS web tool. Simon Bland, senior **manager** of business systems at Concert's Reston, Va., office, said 20 **users** have **client** /server tools and 40 **use web tools**. Bland said he expects the number of web **users** to expand four- to fivefold while the number of client/server users remains the same...

... warehouse revolve around keeping track of budgets, labor hours, materials, scheduling and planning. About 500 **users** have Brio **client** /server tools, and about 20 are **using** Brio **web tools**. Starting in June, **web tools** will be rolled out to most users over six months to a year. ``We probably...

... have found favor with power users, and Gleason said he expects 20% to

25% of **users** will want them. That means the **use** of **web tools** is likely to decline from 90% now to 75% to 80%.

Although maintaining expertise on...

20/6,K/30 (Item 5 from file: 674)

DIALOG(R)File 674:(c) 2004 IDG Communications. All rts. reserv.

040754

Ready to rope a remote access deal?

Support for more WAN options, ports and protocols makes products for the range more livable, but better offerings are ready to mosey on in.

Publication Date: November 14, 1994

Text:

... products to keep them in touch with the folks back at the data ranch. Net **managers** scouring the market are finding a wider array of new or enhanced dial-up bridge...

...impending products, can shroud the selection process in a cloud of dust, especially if net **managers** do not fully understand the differences between each class of remote access product. Each product...that is the execution speed of applications," says Kelly McGovern, a Microcom, Inc. senior product **manager**. There are two major bottlenecks that remote access solutions must overcome, McGovern says. One occurs at the remote site where Windows applications are limited to 19 .2K bit/sec by the speed at which data can be transferred across the remote...

... to do. ``Novell's IPX is a very chatty protocol," says Tom Caldwell, product marketing **manager** at Rockwell Network Systems. ``The clients and servers exchange network configuration information on a frequent...at the central site connects to an ISDN PRI on the network side. On the **user** side is a LAN link providing **access** to a campus-area network and other resources such as a link to the Internet. Remote **users**, therefore, have **access** to any campus resource including the Internet at 64K or 128K bit/sec. ``Remote users...

20/6,K/31 (Item 6 from file: 674)

DIALOG(R)File 674:(c) 2004 IDG Communications. All rts. reserv.

022091

New version of Windows OS eases LAN connection

Publication Date: March 30, 1992

Text:

... availability, Version 3.1 is expected to streamline the unwieldy processes of connecting to and **using** local-area **network resources** from a Windows 3.0 **client**, according to Microsoft.

Major improvements include faster **access** to files stored on servers; a more object-oriented interface, which lets **users** drag and drop files between drives, whether mapped locally or remotely; and an autoconfiguring installation...

... without user intervention. Version 3.1 will ship with net drivers for Microsoft's LAN **Manager** and Novell, Inc.'s NetWare servers.

The company is also expected to ship next week the Windows Resource Kit, a \$ 19 .95 package of documentation and utilities designed to smooth the way for LAN administrators with...

20/6,K/32 (Item 1 from file: 696)

DIALOG(R)File 696:(c) 2004 The Dialog Corp. All rts. reserv.

00720343

UPC LIMBERS UP FOR CHELLO FLOAT

March 29, 2000

WORD COUNT: 594

TEXT:

...to be in September, see Cable Europe vol.5 no.6).
Iain Osborne, Chello's **managing** director, marketing and communications,
unveiled the results of what he described as Europe's...

...spent proportionately much more time
engaged in a range of activities including downloading, surfing and **use**
of
search engines and newsgroups. Chello **users** also spent an average of
Euro 471
online over the last six months, compared with...access, with this expected
to grow
in Europe from 0.7 million in 1999 to **19 .6** million by 2005.
Lynch said he was interested in opportunities in the UK, including...
?b patents

```
>>> 351 is unauthorized
>>> 352 is unauthorized
>>>2 of the specified files are not available
24sep04 12:17:38 User264796 Session D29.2
$24.75 3.194 DialUnits File2
$24.75 Estimated cost File2
$6.93 1.175 DialUnits File6
$6.93 Estimated cost File6
$14.81 2.116 DialUnits File8
$14.81 Estimated cost File8
$39.46 1.925 DialUnits File34
$39.46 Estimated cost File34
$2.64 0.645 DialUnits File35
$2.64 Estimated cost File35
$2.00 0.534 DialUnits File65
$2.00 Estimated cost File65
$0.79 0.247 DialUnits File92
$0.79 Estimated cost File92
$4.69 1.341 DialUnits File94
$4.69 Estimated cost File94
$4.61 0.659 DialUnits File95
$4.61 Estimated cost File95
$1.00 0.415 DialUnits File99
$1.00 Estimated cost File99
$6.96 1.364 DialUnits File103
$6.96 Estimated cost File103
$8.42 2.406 DialUnits File144
$8.42 Estimated cost File144
$1.65 0.257 DialUnits File202
$1.65 Estimated cost File202
$1.22 0.450 DialUnits File233
$1.22 Estimated cost File233
$2.74 0.684 DialUnits File239
$2.74 Estimated cost File239
$15.90 2.944 DialUnits File275
$17.50 25 Type(s) in Format 95 (KWIC)
$17.50 25 Types
$33.40 Estimated cost File275
$10.31 0.503 DialUnits File434
$10.31 Estimated cost File434
$5.12 0.994 DialUnits File647
$3.60 8 Type(s) in Format 95 (KWIC)
$3.60 8 Types
$8.72 Estimated cost File647
$2.22 0.542 DialUnits File674
$2.58 6 Type(s) in Format 95 (KWIC)
$2.58 6 Types
$4.80 Estimated cost File674
$3.50 0.604 DialUnits File696
$0.00 1 Type(s) in Format 95 (KWIC)
$0.00 1 Types
```

\$3.50 Estimated cost File696
 OneSearch, 20 files, 22.998 DialUnits FileOS
 \$11.75 TELNET
 \$195.15 Estimated cost this search
 \$195.23 Estimated total session cost 23.198 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 123:CLAIMS(R)/Current Legal Status 1980-2004/Sep 14

(c) 2004 IFI/CLAIMS

***File 123: Reassignment data is now updated weekly.**

File 331:Derwent WPI First View UD=200460 (c) 2004 Thomson Derwent

***File 331: For patent family information, search also File 351, 352, or 350.**

File 340:CLAIMS(R)/US Patent 1950-04/Sep 23

(c) 2004 IFI/CLAIMS(R)

***File 340: For information about the annual reload, see HELP NEWS 340.**

File 342:Derwent Patents Citation Indx 1978-04/200457

(c) 2004 Thomson Derwent

File 344:Chinese Patents Abs Aug 1985-2004/May

(c) 2004 European Patent Office

File 345:Inpadoc/Fam.& Legal Stat 1968-2004/UD=200438

(c) 2004 EPO

File 347:JAPIO Nov 1976-2004/May(Updated 040903)

(c) 2004 JPO & JAPIO

***File 347: JAPIO data problems with year 2000 records are now fixed.**
 Alerts have been run. See HELP NEWS 347 for details.

File 348:EUROPEAN PATENTS 1978-2004/Sep W02

(c) 2004 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20040923,UT=20040916

(c) 2004 WIPO/Univentio

File 353:Ei EnCompassPat(TM) 1964-200437

(c) 2004 Elsevier Eng. Info. Inc.

***File 353: Ei EnCompassPat/Ei EnCompassLit combined usage is limited to 2 hrs/yr.**

File 371:French Patents 1961-2002/BOPI 200209

(c) 2002 INPI. All rts. reserv.

***File 371: This file is not currently updating. The last update is 200209.**

File 447:IMS Patent Focus 2004/Aug

(c) 2004 IMS Health & Affiliates

File 652:US Patents Fulltext 1971-1975

(c) format only 2002 The Dialog Corp.

File 654:US Pat.Full. 1976-2004/Sep 21

(c) Format only 2004 The Dialog Corp.

File 670:LitAlert 1973-2004/UD=200436

(c) 2004 Thomson Derwent

Set Items Description

?s track??? (6n) (network or web or search) (2w) (tool? or engine? or resource? or applica
 tion? or service?) (s) (interact??? or access??? or request??? or using or used or use)
 (4n) (user? or client? or subscriber? or operator?)

Processing

Processing

Processing

Processing

>>>File 349 processing for USER? stopped at USEROBJECTS

Processing

Processed 10 of 15 files ...

Processing

Processing

Processing

Processing

Processing

Completed processing all files

833295 TRACK???

1006871 NETWORK

496634 WEB

4060506 SEARCH


```

1267041 TOOL?
2114448 ENGINE?
283728 RESOURCE?
10702870 APPLICATION?
902476 SERVICE?
757459 INTERACT???
1550276 ACCESS???
4211925 REQUEST???
6130098 USING
6733022 USED
6151627 USE
1512561 USER?
164267 CLIENT?
150644 SUBSCRIBER?
851060 OPERATOR?
S1 335 TRACK??? (6N) (NETWORK OR WEB OR SEARCH) (2W) (TOOL? OR
ENGINE? OR RESOURCE? OR APPLICATION? OR SERVICE?) (S)
(INTRACT??? OR ACCESS??? OR REQUEST??? OR USING OR USED
OR USE ) (4N) (USER? OR CLIENT? OR SUBSCRIBER? OR
OPERATOR?)

```

?s s1 and pd<001012

```

>>>File 123 processing for PD= : PD=001012
>>> started at PD=NAME 0F stopped at PD=19950822
>>>File 340 processing for PD= : PD=001012
>>> started at PD=US 1998167682 stopped at PD=US 2000597944
>>>File 342 processing for PD= : PD=001012
>>> started at PD=47 stopped at PD=700427
>>>File 344 processing for PD= : PD=001012
>>> started at PD=19 stopped at PD=8907
>>>File 345 processing for PD= : PD=001012
>>> started at PD=13 stopped at PD=650511
>>>File 347 processing for PD= : PD=001012
>>> started at PD=197610 stopped at PD=19830411

```

Processing

```

>>>File 348 processing for PD= : PD=001012
>>> started at PD=78 stopped at PD=990303

```

Processing

```

>>>File 353 processing for PD= : PD=001012
>>> started at PD=1008 stopped at PD=690516
Processed 10 of 15 files ...
>>>File 371 processing for PD= : PD=001012
>>> started at PD=FR 87965 stopped at PD=19951027
>>>File 447 processing for PD= : PD=001012
>>> started at PD=110606 stopped at PD=731210
>>>File 654 processing for PD= : PD=001012
>>> started at PD=A stopped at PD=19821130
>>>File 670 processing for PD= : PD=001012
>>> started at PD=08840221 stopped at PD=19980715

```

Completed processing all files

335 S1

7334182 PD<001012

S2 12 S1 AND PD<001012

?s s2/6,k/all

>>>Invalid syntax

?t s2/6,k/all

2/6,K/1 (Item 1 from file: 342)

DIALOG(R)File 342:(c) 2004 Thomson Derwent. All rts. reserv.

04297144 WPI Acc No: 01-158052/16

Tracking of client interaction with network resource, involves downloading resource from one server along with resource use monitoring program stored in another server, to client ...

2/6,K/2 (Item 1 from file: 345)

DIALOG(R)File 345:(c) 2004 EPO. All rts. reserv.

14610526

Basic Patent (No,Kind,Date): US 5796952 A 19980818

Method and apparatus for tracking client interaction with a network resource and creating client profiles and resource database (English)

Applic (No,Kind,Date): US 821534 A 19970321

Dialog File: Inpadoc/Fam.& Legal Stat_1968-2004/UD=200438

2/6,K/3 (Item 1 from file: 348)

DIALOG(R) File 348:(c) 2004 European Patent Office. All rts. reserv.

01113209

Method for communicating between frames within a web browser window
Verfahren zur Kommunikation zwischen Rahmen innerhalb eines Fensters eines Web-Browsers

Methode pour la communication entre les frames dans une fenetre d'un chercheur d'internet

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
----------------	----------	--------	------------

CLAIMS A	(English)	200004	1556
----------	-----------	--------	------

SPEC A	(English)	200004	5862
--------	-----------	--------	------

Total word count - document A			7418
-------------------------------	--	--	------

Total word count - document B			0
-------------------------------	--	--	---

Total word count - documents A + B			7418
------------------------------------	--	--	------

...SPECIFICATION activities, errors, and alarms.

Selecting a tracking tab, as shown in FIG. 4, gives the user access to the Web based browser application's tracking functions.

Selecting the tracking tab gives the user access to tracking tree 412 and available actions 408. By selecting buttons 410 within available actions...

2/6,K/4 (Item 2 from file: 348)

DIALOG(R) File 348:(c) 2004 European Patent Office. All rts. reserv.

01018404

METHOD AND APPARATUS FOR TRACKING CLIENT INTERACTION WITH A NETWORK RESOURCE AND CREATING CLIENT PROFILES AND RESOURCE DATABASE

VERFAHREN UND GERAT UM BENUTZERINTERAKTION MIT NETZWERKBETRIEBSMITTELN ZU VERFOLGEN UND BENUTZERPROFILE UND EINE BETRIEBSMITTELDATENBANK HERZUSTELLEN

PROCEDE ET APPAREIL PERMETTANT LE SUIVI DE L'INTERACTION ENTRE UN SYSTEME CLIENT ET UNE RESSOURCE RESEAU ET LA CREATION DE PROFILS CLIENTS ET D'UNE BASE DE DONNEES DE RESSOURCES

LANGUAGE (Publication,Procedural,Application): English; English; English

METHOD AND APPARATUS FOR TRACKING CLIENT INTERACTION WITH A NETWORK RESOURCE AND CREATING CLIENT PROFILES AND RESOURCE DATABASE

2/6,K/5 (Item 3 from file: 348)

DIALOG(R) File 348:(c) 2004 European Patent Office. All rts. reserv.

00905133

Method and system for selecting an information item

Verfahren und System zum Auswählen eines Informationsgegenstandes

Procede et dispositif pour selectionner un article d'information

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
----------------	----------	--------	------------

CLAIMS A	(English)	199810	904
----------	-----------	--------	-----

CLAIMS B	(English)	200246	804
----------	-----------	--------	-----

CLAIMS B	(German)	200246	806
----------	----------	--------	-----

CLAIMS B	(French)	200246	825
----------	----------	--------	-----

SPEC A	(English)	199810	6441
--------	-----------	--------	------

SPEC B	(English)	200246	6174
--------	-----------	--------	------

Total word count - document A			7346
-------------------------------	--	--	------

Total word count - document B 8609
Total word count - documents A + B 15955

...SPECIFICATION database. The organisation of the content of the library collection is immediately displayed to the **user**. When a category is **accessed** for selection, sub-categories of the category are displayed to provide more information to the...User's also gain a quick impression of how the catalogue is structured.

3. The **search tool**

The **Search tool** combines the 'Browse' and the 'Fast-track' in one integrated tool. The **Search tool** also adds facilities which extend the search capabilities of the 'Fast-track'. Consequently user's...

...SPECIFICATION database. The organisation of the content of the library collection is immediately displayed to the **user**. When a category is **accessed** for selection, sub-categories of the category are displayed to provide more information to the...

...User's also gain a quick impression of how the catalogue is structured.

3. The **search tool**

The **Search tool** combines the 'Browse' and the 'Fast-track' in one integrated tool. The **Search tool** also adds facilities which extend the search capabilities of the 'Fast-track'. Consequently user's...

2/6,K/6 (Item 4 from file: 348)
DIALOG(R)File 348:(c) 2004 European Patent Office. All rts. reserv.

00761123

APPARATUS AND METHOD FOR ACCESSING A LOCAL COMPUTER NETWORK

VERFAHREN UND GERAT FUR EINEN LOKALEN RECHNERNETZZUGANG

PROCEDE ET DISPOSITIF D'ACCES A UN RESEAU LOCAL D'ORDINATEURS

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200147	703
CLAIMS B	(German)	200147	696
CLAIMS B	(French)	200147	810
SPEC B	(English)	200147	3980
Total word count - document A			0
Total word count - document B			6189
Total word count - documents A + B			6189

...SPECIFICATION has an IP address under the per-user IP addressing scheme, it is possible to **track** via IP address the **network services** **accessed** by particular remote **users**. Once a **user** has been provided **access** to the network itself, following any type of optional user authentication procedure which includes but is not limited to the **use** of the per-**user** IP address, it is possible to use IP addresses to ensure that only certain remote **users** are allowed **access** to specific network services. By providing IP addressed on a per-use basis, the network...specific network services based on IP address.

The user authorization feature allows an authorized remote **user**'s **use** of **network services** and **resources** to be **tracked** via IP address. That is, the remote access server 16 can keep a log of...

...user's remote computer 12 passes through the server 16 and (ii) the IP address **used** by the remote **user**'s remote computer 12 uniquely identifies the remote user 18. The server 16 typically will...

...the IP address in order to determine exactly what network service or resource is being **accessed** by the authorized remote **user** 18. The remote **access** server 16 can keep the log in the database 30 or in any other storage...

2/6,K/7 (Item 1 from file: 349)

DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00563463 ****Image available****

**FULL-SERVICE RESEARCH BUREAU AND TEST CENTER METHOD AND APPARATUS
PROCEDE ET APPAREIL DE BUREAU DE RECHERCHE OFFRANT TOUS LES SERVICES ET DE
CENTRE DE TEST**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 19919

Publication Year: 2000

Patent and Priority Information (Country, Number, Date):

Patent: ... 20000511

Fulltext Availability:

Detailed Description

Detailed Description

... results across an insignificant sample size.

0. Davis and V. Jain, Method and Apparatus for **Tracking Client
Interaction** with a **Network Resource** and Creating Client Profiles and
Resource Database, U.S.

Patent No. 5,796,952 (18...

2/6,K/8 (Item 2 from file: 349)

DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00496204

**NETWORK ACCOUNTING AND BILLING SYSTEM AND METHOD
SYSTEME D'IMPUTATION COMPTABLE ET DE COMPTABILISATION DES TRANSACTIONS
RESEAU, ET PROCEDE CORRESPONDANT**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 18919

Publication Year: 1999

Patent and Priority Information (Country, Number, Date):

Patent: ... 19990603

Fulltext Availability:

Detailed Description

Detailed Description

... plan network resource provisioning, and audit service usage. The
system provides a clear picture of **user -level network service use**
by **tracking** a variety of metrics such as actual session Quality of
Service (QoS), traffic routes, and...

2/6,K/9 (Item 3 from file: 349)

DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00484627

**INTEGRATED BUSINESS SYSTEM FOR WEB BASED TELECOMMUNICATIONS MANAGEMENT
SYSTEME D'ECHANGES COMMERCIAUX INTEGRES POUR LA GESTION DE
TELECOMMUNICATIONS SUR LE WEB**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 88075

Publication Year: 1999

Patent and Priority Information (Country, Number, Date):

Patent: ... 19990401
Fulltext Availability:
Detailed Description

Detailed Description

... based on certain criteria; 5) an outbound network management system enabling customers to manage and **track** features and **services** associated with their virtual networks ("Vnet") including management of calling party number orders, dialing plan...

...orting system

allowing the customers access to their billing and invoice reports associated with **network services** provided to a customer; 9) a web-based call manager service enabling call center customers...order.

Referring back to exemplar screen shown in Figure 12(b), with regard to the **access** customization options, the **user** is enabled to specify or change an accounting HIDACC" code or supplemental code, by selecting...

...gr change the inbound access type, by selecting field 1575b. For example, selection of inbound **access** customization presents the **user** with a web page having an inbound access customization screen such as example screen display...f), depending upon the selected report format, the right hand entry field 1604 presents the **user** with the following selectable **access** types: dial 1, card, dedicated, 809 Remote Access, Direct Dial fax, store/forward fax, 800...that user's email address.

As mentioned above with respect to Figure 10, the Report **Requestor client** application 212 gains **access** to the metadata stored at the Report Manager server 250 through messaging. Particularly, as hereinafter described, a message generated by the Report **Requestor** in accordance with the **user** request is first received by the report manager proxy N01.

In the preferred embodiment...

...appropriate service will be invoked after which a standard response is sent back to the **requesting client**.

The Report Manager 250 implements stored procedures to translate the message, perform the request, and...

...request retrieves the list of all user reports for the report format selected from a **user** report table and is used only as a request for general report information, e.g., report title, status, etc.; 4...

...details of a specific user's report; 5) Add report definition/Acknowledgment (ARD/ARDA)- which **requests** addition of a **user**-created report to a user report table. If the report is a scheduled report...Inbox fetch "F" function is a bulk transfer request that enables bulk transfer of the **requested** file to the Inbox **client**.

Referring back to Figure 12(b), after editing or modifying an existing report, the user...

...the report and exit. In this case, the ARD message is sent from the Report **Requestor client** to the RM server and is saved in the RM inventory database for subsequent execution...authentication, as described herein, the first step 602 of Figure 15(a), indicates that a **user** has opened the report **requester** dialog box from the nMCI Interact home page (Figure 5(a)) by selecting the Report...

...step 610, the Report inventory for the specific user is loaded and displayed for the **user** on the **user report request** display screen, enabling the **user** to select a report, as indicated at step 612. Then, at step 615, the selected...

...which are available for the Report format, as described.

Once a report is created the **user** may save the report **request**, e.g., by clicking a "Save and Exit" button, or submit the request, as indicated...Generally, StarOE specifies what general categories of reports can be requested for a given nMCI **Interact subscriber**. These categories include.

1) reports that only require data aggregation; 2) reports that require call detail...retrieves the requested report data from the statistics database 571.

As described herein, when the **user requests** call detail for a particular period of time, this request is translated by the StarWRS...server, as indicated at steps 749 and 750 (Figure 23(b)).

At this point, the **user** can **interact** with the RTM application to formulate a request, transmit it and receive the results according...

...758 and the process continues at st 759 for each successive polling interval until etEe **user** terminates the **request**.

Figure 24 is an illustration depicting the nMCI Interact RTM polling process. As...can look at the specific call records that made up those incomplete calls. The **subscriber** may then **request** the management of the network to restructure the network so as to reroute the incoming...reflection by dynamically loading and executing the business logic at the application server once the **client request** specification is received.

As described herein, the SI application server 2300 interfaces with the Le...Server in a separate thread at step 503.

In operation, the Transaction Server receives a **client transaction request**, as shown at step 504. The connection is accepted and Transaction Handler thread is removed...request, it sends the response to the Receiver.

Registry configuration consists of configuring the Registry **client** which sends **request** messages to CSM from the Service Inquiry Requester and Registry

server that receives responses from...

...is only one TCP/IP connection always open between the client and the server. The **client** P,@ts its **requests** on its own local queue 2322 and it is then forwarded to the queue on...out to an organization obtained from the user up front and stored in the **User Profile**. This is done **using** an "Enter Activity Request Transaction" which allows the customer to enter different activities like 'Refer...

...is the creation and query of Troub-le tickets and it accomplishes its tasks via **interaction** with the **client** presentation layer and **interaction** with the back-end systems. Information that is gathered via the presentation layer is used...referred to as ICORMI" (Common Objects RMI) which provides an RMI-like interface between the **client** and the server **using** the networkMCI Interact protocol.

The CORMI procedures implemented have additional controls built in to provide...

...to-server communication with Java RMI-like semantics and comprises a library of Java classes **used** by @oth the **client** nplet and server application. In view of Figure 2 , the communication path from the client...a serialized remote interface of the remote object registered earlier being&assed back to the **client** . The **client** can then **use** is remote interface as it would with Java RMI-doing remote method invocations. The remote...his/her routing plans in accordance with that user's privileges. To determine privileges, TFNM **user** security profile information is **requested** from StarOE that comprises a list of Corp Ids and AccessId combinations, referred to herein as "RACF ID" combinations that the customer is allowed to **access** within TFNM. Particularly, **user** security profile elements obtained from StarOE include: Corp Id, i.e., the Corporation Id the customer **user** has **access** to within StarOE; and DefaultInd , i.e., a default CorpId indicator having, for example, 'YI...

...StarOE security message, a communication is made from the TFNM server@840 to NetCap 290 **requesting** a **user** security profile. Particularly, the messaging system implemented for all communications between the TFNM server and...

...Security from NetCap is by Racf Id and Corp Id. For each Corp Id a **user** has **access** to, that- **user** must have a Racf Id. If a user has Enterprise level security, then the list...1657 which is a single selection list box populated with Set ID's that the **user** has security **access** to for a chosen Corp ID; a Number list box element 1658 which is a...the customer's chosen routing plan with changes tEat were made in NetCap since the **user** last **accessed** the s stem. The TFNM server database is uEdated with tKe latest routing p lan...to invoke TFNM functions such as the "IMPL" depicted in Figure 26 as the IMPL **request** 822 which enables the **user** to quickly change the number routing plan that a working number or set of working numbers is routing to; or "QUIK" depicted in Figure 26 as the QUIK **request** 824 which enables the **user** to quickly add, change and/or delete one or more termination locations, and/or change...NLPs and SRPs for a set of numbers that they want routed

differently. Via IMPL **request** messaging, the **user** selects the desired routing plan for the number/set and the desired date and time...

...IMPL order
(NIMPL) to NetCap.

It should be understood that, in the case of a **user** implementing a TEMP IMPL **request**, the **user** follows the same procedure as for the IMPL order, e.g., selecting a desired routing plan...NLP, EVS or SRP Plans. It should be understood that, in the case of a **user** implementing a TEMP QUIK **request**, the **user** selects the desired routing plan for the number/set, the desired date and time when...preferred embodiment, a "CORMI" (Common Objects RMI)

which provides an RMI-like interface between the **client** and the server **using** the networkMCI Interact protocol is implemented. The CORMI procedures implemented have additional controls built in...of Figure 29(a), the user is presented

with a web page 2725 displaying a **request** order window where the **user** may enter search criteria from which a user may select orders, or, choose all orders...was established as a default with

<Set Dflt>, a pop-up message will prompt the **user** to confirm **using** it as a default when you select <Use Dflt>; an <Undo> button 2798 for removing...the order is to be implemented by the

host; selecting a priority based on the **user**'s security **access** privilege; establishing an order status, e.g., approved or not approved for new orders in...Nbr-PIN field 2892 that displays

the Calling Card number and associated PIN if the **user** has security **access** to view the PINS; a Description field 2894 which comprises a description assigned to the...the order is to be implemented by the

host; selecting a priority based on the **user**'s security **access** privilege; establishing an order status, e.g., approved or not approved for new orders in...the order is to be

implemented by the host; selecting a priority based on the **user**'s security **access** privilege; establishing an order status, e.g., approved or not approved for new orders in...server 860. Specifically,

the Dispatcher server 26 includes an integrated Broadband proxy application to forward **user requests** and responses to/from the Broadband server process 860

and to enable the Broadband functionality...Figure 5(b)) the user may enter into the

Broadband Services system and particularly, to **access** the Broadband **Client** front end. A client Broadband applet is thus, downloaded to the customer who is presented...categor

from drop down list; 3 allowing a customer to specify range on statistic value **using** relational **operators** and numerical values, e.g., value >=80%; 4) allowing a customer to specify report date...

...automatically and available when the default reports are produced through the Broadband Inbox. Once the **user** submits the custom report **request** it is forwarded to the Broadband Inbox for subsequent view.

When basic service option is...on-line context sensitive help for all aspects of the Broadband WEB application; 5) providing **access** to the Broadband

- 114

User's Guide; 6) providing the ability to spawn

separate dialog windows, for example, to...

...applet is initiated, as indicated at step 956. Via this applet, the BroadBand View Inbox **client requests** all available report data (headers) from the Report Location Database as indicated at step 958...delete
i - (b)
function, as indicated at step 966. In response, at step 970, the **client** submits a delete **request** to the BB Inbox Server which locates the report, logs the request, deletes the file...and the user is provisioned with a level of service which includes SNMP functionality, the **user** has additional **access** to SNMP functions Get and Set.

The Get and Set represent paired functionality which is **accessed** when the **user** selects the SNMP Get/Set option 1732 from the BroadBand View Main Display of Figure...

...create a series of objects, SNMPGetSetFrame, SNMPGetSetView, SNMPGetSetModel and SNMPGetSetController to handle the presentation to/ **interaction** with the **user**. This also results in the presentation of the get/set display window (Figure 34(g)...receipt of the data, the client closes the thread and updates the display.

Finally, the **user** may submit **requests** for SNMP variables from other circuits, or, may end the session. Likewise, when the user...

...thread and updates the display, acknowledging that the circuit name has been changed. Finally, the **user** may submit new **requests** to set SNMP variables from other circuits, or, may end the session. As in the PCT/US98/20170 - 12 2
through the report **requestor**, a **user** may specify whether the user should be paged or e-mailed when a report is...

...communicated from the client browser to the event monitor server 1050.

Specifically, the dispatcher forwards **user requests** to the event monitor server process 1050 that employs an integrated p:oxy application 1040...the COApplet class.

For determining the user's event monitor service options, the GUI **client** application **requests** and retrieves **user** profiles including the user entitlements from an event monitor customer database populated by a periodic...the various client terminals via the client browser applications and stores such information as the **user**'s log on password, **access** security, and the various alarm descriptions and their status as reported by network management system 1004.

Database 1010 includes a number of tables of data which are **accessed** by the **client** browser application GUI to event displays, including alarm displays, alarm report, facilities cross-references and event log
3 0

displays. In addition to the StarOE authentication and entitlement checking, **user access** to database 1010 is monitored by SQL server 1016; levels of security may be provided...A list of corporate identifiers related to the customer's enterprise and

for which the **user** is authorized **access** .

Facilities: All elements of a physical telephone plant required to provide a service and to which the **user** is authorized **access** (for example, trunk groups and circuits).

Data Elements: The user can configure a customized event...the SCP host 1110. The presence of the call manager webstation 1130 does not include use of the Nexus **client** Call Manager Webstation architecture. Figure 41 illustrates call manager webstation component architecture showing interconnections among...client webstations 1130 when the Uniform Resource Locator (URL) for the call manager webstation **client** GUI application is **accessed** .

The call manager webstation **client** GUI application of the system of the present invention is typically invoked by clicking a...Figure 41) via the web server 1132 are conducted using the common gateway interface (CGI). **Requests** from the **client** are typically first targeted at a CGI program, which then relays the request to the appropriate proxy process.

Results are returned from back-end processes to the **requesting client** in the same manner. Each transaction or data request may be executed as a separate...

...service manager 1152 and a message manager 1156. The HTTP service manager 1152 generally handles **requests** from multiple **clients** 1130 to download web pages and Java applets for display within a...HTTP service manager 1152 downloads the HTML files and Java applets 954 to the **client** 1130 upon **request** via the HTTPS port 1150, typically configured to port number 43. Each transaction from...for each message transaction sent to web server 1132. Each message transaction is a single **request** from the **client** 1130 that is answered by a single reply from the web server 1132.

The web...shown, the call manager web servers-1132 directly communicate the MML messages, i.e., translated **client requests**, to the Nexus SCP host 1110. In addition, in this embodiment, it is the SCP...table for managing host sessions. As described above, the proxy server 1170 generally handles webstation **client** **requests** passed from the web servers 1132 by accepting message transactions from the webstation client 20...

2/6,K/10 (Item 4 from file: 349)
DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00452916 **Image available**
METHOD AND APPARATUS FOR TRACKING CLIENT INTERACTION WITH A NETWORK RESOURCE AND CREATING CLIENT PROFILES AND RESOURCE DATABASE
PROCEDE ET APPAREIL PERMETTANT LE SUIVI DE L'INTERACTION ENTRE UN SYSTEME CLIENT ET UNE RESSOURCE RESEAU ET LA CREATION DE PROFILS CLIENTS ET D'UNE BASE DE DONNEES DE RESSOURCES
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 14182

Publication Year: 1998

**METHOD AND APPARATUS FOR TRACKING CLIENT INTERACTION WITH A NETWORK
RESOURCE AND CREATING CLIENT PROFILES AND RESOURCE DATABASE**

Patent and Priority Information (Country, Number, Date):

Patent: ... 19981001

Fulltext Availability:

Detailed Description

Detailed Description

**METHOD AND APPARATUS FOR TRACKING CLIENT
INTERACTION WITH A NETWORK RESOURCE AND
CREATING CLIENT PROFILES AND RESOURCE DATABASE**

Field of the Invention

The present invention relates to a method and
apparatus for monitoring client use of and interaction with
aresource downloaded from a server on a computer network,
for storing monitored data, for...

2/6,K/11 (Item 5 from file: 349)

DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00440650 **Image available**

**METHOD AND SYSTEM FOR TRACKING NETWORK USE
PROCEDE ET SYSTEME DE SUIVI DE L'UTILISATION DES RESEAUX**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 10469

Publication Year: 1998

Patent and Priority Information (Country, Number, Date):

Patent: ... 19980716

Fulltext Availability:

Detailed Description

Detailed Description

METHOD AND SYSTEM FOR TRACKING NETWORK USE

This invention is a method and system for tracking subscriber use
of

network applications , particularly network applications involving
delivery of interactive media or video programming.

BACKGROUND OF THE INVENTION

Broadcast and cable...

2/6,K/12 (Item 6 from file: 349)

DIALOG(R)File 349:(c) 2004 WIPO/Univentio. All rts. reserv.

00323173

**APPARATUS AND METHOD FOR ACCESSING A LOCAL COMPUTER NETWORK
PROCEDE ET DISPOSITIF D'ACCES A UN RESEAU LOCAL D'ORDINATEURS**

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5070

Publication Year: 1996

Patent and Priority Information (Country, Number, Date):

Patent: ... 19960222

Fulltext Availability:

Detailed Description

Detailed Description

... has an IP address under

the per-user IP addressing scheme, it is possible to

track via IP address the **network services** accessed by particular remote users. Once a **user** has been provided **access** to the network itself, following any type of optional user authentication procedure which includes but is not limited to the **use** of the per- **user** IP address, it is possible to use IP addresses to ensure that only certain remote...specific network services based on IP address.

The user authorization feature allows an authorized remote **user** **use** of **network services** and **resources** to be **tracked** via IP address. That is, the remote access server 16 can keep a log of...

...user's remote computer 12 passes through the server 16 and (ii) the IP address **used** by the remote **user** 's remote computer 12 uniquely identifies the remote user 18. The server 16 typically will...

...the IP address in order to determine exactly what network service or resource is being **accessed** by the authorized remote **user** 18. The remote **access** server 16 can keep the log in the database 30 or in any other storage...

?s (image or IMG) (3w) (tag? or URL? or anchor?)

>>>File 348 processing for TAG? stopped at TAGSTAIRBAGS

>>>File 349 processing for TAG? stopped at TAGAAGTTCC

>>>File 654 processing for TAG? stopped at TAGNTO

Processing

Processing

Processed 10 of 15 files ...

Completed processing all files

3111949 IMAGE

4198 IMG

234382 TAG?

52955 URL?

412091 ANCHOR?

S3 3940 (IMAGE OR IMG) (3W) (TAG? OR URL? OR ANCHOR?)

?s s1 (s) s3

335 S1

3940 S3

S4 8 S1 (S) S3

?s s4/6,k/all

>>>Invalid syntax

?t s4/6,k/all

4/6,K/1 (Item 1 from file: 654)

DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

5718825 **IMAGE Available

Derwent Accession: 2003-531770

Utility

Method and apparatus for tracking client interaction with a network resource downloaded from a server

Fulltext Word Count: 12025

Number of Claims: 24

Exemplary or Independent Claim Number(s): 1

Number of Drawing Sheets: 7

Number of Figures: 7

Number of US cited patent references: 10

Description of the Invention:

...Accordingly, as will be appreciated by those of ordinary skill in the art, as **used** herein, the term " **client** " refers to a client computer (or machine) on a network, or to a process, such...

...for example, a "client machine" can store and one or more "client

processes." The term " **user** " is **used** to broadly refer to one or more persons that **use** a particular **client** machine...that utilize the Hypertext Transfer Protocol (HTTP). HTTP is a known application protocol that provides **users** **access** to resources (which can be information in different formats such as text, graphics, images, sound...

...are specified via a Uniform Resource Locator or "URL". Upon specification of a link, the **client** makes a TCP/IP **request** to the server and receives information that was specified in that URL (for example another...instruction sets, sound and video files in addition to HTML documents (Web pages) to the **requesting client** .

...

...a different server than the resource, in which case it may be obtained by the **client** through a TCP/IP **request** to the other server. The tracking program executes on a client machine, and is stored...

...such as time, mouse events, keyboard events, and the like, in order to track a **user** 's **interaction** with the Web page. Thus, the tracking program may simply monitor the amount of time the **user** spends **interacting** with the Web page, or may monitor details of choices (such as links) made by...resource obtained over the network (or temporarily store a copy of the resource on the **user** 's computer), and may **use** the cached copy of the resource instead of obtaining it over the Internet when the...or all mouse and keyboard events to provide meaningful data to the server concerning the **user** 's **interaction** with the Web page...

...a client when the HTML document is served to the client in response to a **client** TCP/IP **request** . During or after the **client** formats and displays the Web page specified by the HTML document, the tracking program beginsAs illustrated, for example, in FIG. 3, the **client** issues a TCP/IP **request** for a Web page located on a Server A (S301). After a handshaking period, the...

...client leaves the Web page (S307), the tracking program calculates the amount of time the **user** has **interacted** with and displayed the Web page and sends this information to a server. Other available...rates of 64 through 128 kilobits per second, and standard phone lines, over which most **users** transmit data, currently transmit **using** modems at approximately 28.8 kilobits per second. In the case of a 640X480 pixel...makes a request for information from a server it typically includes certain information about the **client** in the "HTTP **request** header." The server receiving the request can obtain and store this information using known means...ID, the associated link (the URL of the Web page), the amount of time the **user** spent **interacting** with the Web page, and any selections or choices made by the **user** while **interacting** with the Web page. Thus, the above-described tracking program permits Web site administrators and...

...a particular Web page, but also permits the accurate determination of the length of time **users** have displayed and/or **interacted** with their Web page. This is invaluable information to Internet advertisers, among others, and permits...of the invention is illustrated in FIG. 4. A Web page (or HTML document) is **requested** by the **client** from a first server A, using TCP/IP and HTTP protocols (S401). This HTML document...

...the Internet. These images are embedded inside the Web page using the known HTML < **IMG** > **tag** , which allows one to specify the source URL for an image, as well as additional...

...such as size and other layout parameters. These images will then be fetched by the **client** **using** TCP/IP and HTTP protocols from Server A (S402) and rendered on the browser (S405...

...a CGI script. This resource is also embedded inside the Web page using the < **IMG** > **tag** . Thus, in attempting to render the Web page, the client will automatically fetch this resource...timer of the tracking program may be used in monitor the amount of time a **user** spends **interacting** with a portion of a Web page. For example, if the Web page

is provided...

- ...activated by clicking on a particular button, the tracking program may determine how long a **user** has **interacted** with such a selection. In the case of a Web page provided with an ad banner, the tracking program can be designed to monitor the amount of time a **user** has **interacted** with the ad banner...user is exposed to an ad banner having information targeted to their particular interests, the **user** is more likely to **interact** with that ad banner for a longer period of time and on a more frequent...
- ...the particular interests of respective users, an ad banner may include specific information permitting the **user** to **interact** in different ways with the banner. The ad banner may have pull-down menu options...is downloaded, as described above, with the HTML document in response to a TCP/IP **client request**. As above, the tracking program may monitor the amount of time the user spends displaying...
- ...the ad banner embedded in the Web page as a whole, but also monitors the **user**'s **interaction** with the Web page and the ad banner, such as by monitoring each of the...Previous choices made by a user on a particular client computer and stored in a **user** profile database may be **used** to determine which of the resources is to be downloaded to that **client** **using** simple logical processing instructions. For instance, a user profile which indicates that a user has...
- ...A particular implementation of this mechanism is illustrated in FIG. 6. A Web page is **requested** by the **client** from Server A (S601). This Web page contains text, as well as embedded images which...
- ...CGI script 1, which is embedded inside the Web page using the standard HTML **<IMG tag** (S603). In attempting to render the Web page, the client will automatically fetch the resource associated with the **<IMG tag** on Server B, which will result in execution of the CGI script 1. This CGI...as URL), and includes information such as URL of the Web document, number of times **accessed**, identity of **clients** that **accessed** the Web document, amount of time displayed, amount of data displayed, average time displayed, numberIn particular, a Web page is **requested** by the **client** from Server A (S701). This Web page contains text, as well as embedded images which...
- ...a CGI script, which is embedded inside the Web page using the standard HTML **<IMG tag** (S703). In attempting to render the Web page, the client will automatically fetch the resource...In yet another embodiment, the tracking program is used to assemble a bill for the **user**'s **access** to information. For example, **users** who have **access** to a live news or entertainment feed may be charged according to the amount of...
- ...leaves. Together with the user's ID (client and network), and billing information that the **user** was previously **requested** to enter, it is possible to ...also incorporates tracking mechanisms. When the page is rendered and the Crossword program commences, a **user** is able to **use** the keyboard and mouse to fill in letters on the Web page based on clues...
- ...server for storage (S610). When the user later returns to that page, the network or **client** ID is **used** to automatically fill in the letters in the crossword that were previously selected (As in...preferred embodiments have been described in connection with JAVA applets that are executable on a **client**, the tracking of **user interaction** may be accomplished by a client executable program written in a language other than JAVA...program running on the server can be used to determine the total time period the **user** has **interacted** with and displayed the Web page...
- ...Server B) are different servers, this is not a requirement of the present invention. The **network resource** (Web page) and the **tracking** program may be served out by the same server...activation of the tracking program and the uploading of a client profile based upon the **user**'s

interaction with a Web page or network resource...Also, while in the above-described embodiments, the **client** profile is created automatically **using** information acquired by the tracking program and one or more CGI scripts and is stored...

...manner and/or supplemented by additional information. For example, one such technique for creating a **client** profile is through the **use** of HTML "fill-in" form tags. In such cases, the client profile is created not...

...the context of Web browser software, the techniques of the invention apply equally whether the **user** **accesses** a local area network, a wide area network, a public network, a private network, the...

4/6,K/2 (Item 2 from file: 654)

DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

5625050 **IMAGE Available

Derwent Accession: 2002-454252

Utility

System and method for tracking usage of multiple resources by requesting for retrieving a non-existent files, and causing query information to be stored in an error log

Fulltext Word Count: 7684

Number of Claims: 23

Exemplary or Independent Claim Number(s): 1

Number of Drawing Sheets: 14

Number of Figures: 15

Number of US cited patent references: 14

Description of the Invention:

...The present invention provides and employs a system, herein call the Broken Image **Tracking** ("BIT") system, for **tracking** user information for users of a **web resource**, such as a web site, web tool, or shared web application. With BIT, the web page generating program (e.g., a web tool program) inserts a "broken **image**" **tag** in various (or even all) of the web pages transmitted to a user. In general, a BIT tag is a HTML **image tag** (or equivalent) with a BIT URL, i.e., a URL that includes embedded user information...

...image-retrieving browser to an information gathering ("broken image") web server. With the designated broken **image** file in the **URL**, the broken image server will attempt but will not be able to find and retrieve...

...convenient--especially when relevant user information for a given web tool is being collected for **users** **accessing** the web tool through multiple implementations and/or instantiations of the web tool such as...

...the broken image server 116 includes an Internet program 114 having an error log 117 **used** for storing **user** information relating to web **users** **use** of the web tools 113A through 113C. Note that while three servers are shown, the...programs 114 enable web tool servers 112 to function as web servers thereby providing web **users** 120 with **access** to web tool programs 113, which include BIT insertion. On the other hand, the primary...e., forum server 1, forum server 2, and forum server 3) for providing customer web **users** with **access** to a **user** forum (message boards, etc.) relating to a company's product or products. An example of

...Packard's www.hp.com web site in its "Customer Care Center" where the "HP **User** Community Forum" may be **accessed** for communicating with other HP customers about HP products of interest. The forum servers (of which there could be any number) are redundantly **used** for implementing the **user** forum in order to provide load balancing and to increase reliability...for all web users 120 can be stored in error log 117. In this way, **user** information for all **users** **using** this (or any other web tool within the organization web system 110) is accumulated within...

tag for this web page is highlighted at 210. Even though this tag is an **image tag**, it is configured so that the browser will not display an error graphic in response...

...With reference to FIG. 3, the BIT **image tag** 210 is shown with its constituent components separately highlighted. BIT tag 210 generally includes an **image tag** identifier 305 a display size segment 310, a BIT URL 320, and a format segment 340. The **image tag** identifier, "img" at 305, is a HTML instruction that identifies the tag as an **image tag**. It generally causes a browser to retrieve and display the graphic file specified in the...In operation a web user (via a web **user** computer 120) could **access** a mail support system through a web page such as the web page of FIGS...is shown for the depicted e-mail support system. The BIT tag generally includes an **image tag** identifier 755, a display size segment 760, a BIT URL 770, and a format segment...the e-mail support tool server 712. This approximately corresponds to the time when the **user** submitted the support **request**. The last segment, "[sub]-- 2y8DTo3" at 787 is a unique, randomly-generated query identifier for...

4/6,K/3 (Item 3 from file: 654)

DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

5565633 **IMAGE Available
Derwent Accession: 2004-279809

Utility

E/ **Secure gateway interconnection in an e-commerce based environment**

Fulltext Word Count: 104984
Number of Claims: 16
Exemplary or Independent Claim Number(s): 5
Number of Drawing Sheets: 111
Number of Figures: 179
Number of US cited patent references: 108
Number of non-US cited patent references: 8
Number of non-patent cited references: 26

Description of the Invention:

...checkpoint that the work on the change request meets the business needs of the change **requester**.

4/6,K/4 (Item 4 from file: 654)

DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

5421126 **IMAGE Available
Derwent Accession: 2002-697763

Utility

E/ **Method and apparatus for tracking client interaction with a network resource and creating client profiles and resource database**

Fulltext Word Count: 15629
Number of Claims: 59
Exemplary or Independent Claim Number(s): 1
Number of Drawing Sheets: 11
Number of Figures: 11
Number of US cited patent references: 9

Description of the Invention:

...Accordingly, as will be appreciated by those of ordinary skill in the art, as **used** herein, the term "**client**" refers to a client computer (or machine) on a network, or to a process, such...

...for example, a "client machine" can store and one or more "client processes." The term "**user**" is **used** to broadly refer to one or more persons that **use** a particular **client** machine...that utilize the Hypertext Transfer Protocol (HTTP). HTTP is a known application protocol

that provides **users** **access** to resources (which can be information in different formats such as text, graphics, images, sound...

...are specified via a Uniform Resource Locator or "URL". Upon specification of a link, the **client** makes a TCP/IP **request** to the server and receives information that was specified in that URL (for example another...instruction sets, sound and video files in addition to HTML documents (Web pages) to the **requesting client** .

...

...a different server than the resource, in which case it may be obtained by the **client** through a TCP/IP **request** to the other server. The tracking program executes on a client machine, and is stored...

...such as time, mouse events, keyboard events, and the like, in order to track a **user** 's **interaction** with the Web page. Thus, the tracking program may simply monitor the amount of time the **user** spends **interacting** with the Web page, or may monitor details of choices (such as links) made by...resource obtained over the network (or temporarily store a copy of the resource on the **user** 's computer), and may **use** the cached copy of the resource instead of obtaining it over the Internet when the...or all mouse and keyboard events to provide meaningful data to the server concerning the **user** 's **interaction** with the Web page...

...a client when the HTML document is served to the client in response to a **client** TCP/IP **request** . During or after the **client** formats and displays the Web page specified by the HTML document, the tracking program beginsAs illustrated, for example, in FIG. 3, the **client** issues a TCP/IP **request** for a Web page located on a Server A (S301). After a handshaking period, the...

...client leaves the Web page (S307), the tracking program calculates the amount of time the **user** has **interacted** with and displayed the Web page and sends this information to a server. Other available...rates of 64 through 128 kilobits per second, and standard phone lines, over which most **users** transmit data, currently transmit **using** modems at approximately 28.8 kilobits per second. In the case of a 640X480 pixel... makes a request for information from a server it typically includes certain information about the **client** in the "HTTP **request** header." The server receiving the request can obtain and store this information using known means...ID, the associated link (the URL of the Web page), the amount of time the **user** spent **interacting** with the Web page, and any selections or choices made by the **user** while **interacting** with the Web page. Thus, the above-described tracking program permits Web site administrators and...

...a particular Web page, but also permits the accurate determination of the length of time **users** have displayed and/or **interacted** with their Web page. This is invaluable information to Internet advertisers, among others, and permits...of the invention is illustrated in FIG. 4. A Web page (or HTML document) is **requested** by the **client** from a first server A, using TCP/IP and HTTP protocols (S401). This HTML document...

...the Internet. These images are embedded inside the Web page using the known HTML<img tag , which allows one to specify the source URL for an image, as well as additional...

...such as size and other layout parameters. These images will then be fetched by the **client** **using** TCP/IP and HTTP protocols from Server A (S402) and rendered on the browser (S405...

...a CGI script. This resource is also embedded inside the Web page using the <img tag . Thus, in attempting to render the Web page, the client will automatically fetch this resource...timer of the tracking program may be used in monitor the amount of time a **user** spends **interacting** with a portion of a Web page. For example, if the Web page is provided...

...activated by clicking on a particular button, the tracking program may

determine how long a **user** has **interacted** with such a selection. In the case of a Web page provided with an ad banner, the tracking program can be designed to monitor the amount of time a **user** has **interacted** with the ad banner...user is exposed to an ad banner having information targeted to their particular interests, the **user** is more likely to **interact** with that ad banner for a longer period of time and on a more frequent...

...the particular interests of respective users, an ad banner may include specific information permitting the **user** to **interact** in different ways with the banner. The ad banner may have pull-down menu options...is downloaded, as described above, with the HTML document in response to a TCP/IP **client request**. As above, the tracking program may monitor the amount of time the user spends displaying...

...the ad banner embedded in the Web page as a whole, but also monitors the **user**'s **interaction** with the Web page and the ad banner, such as by monitoring each of the...Previous choices made by a user on a particular client computer and stored in a **user** profile database may be **used** to determine which of the resources is to be downloaded to that **client** **using** simple logical processing instructions. For instance, a user profile which indicates that a user has...

...A particular implementation of this mechanism is illustrated in FIG. 6. A Web page is **requested** by the **client** from Server A (S601). This Web page contains text, as well as embedded images which...

...CGI script 1, which is embedded inside the Web page using the standard HTML<img tag (S603). In attempting to render the Web page, the client will automatically fetch the resource associated with the <img tag on Server B, which will result in execution of the CGI script 1. This CGI...as URL), and includes information such as URL of the Web document, number of times **accessed**, identity of **clients** that **accessed** the Web document, amount of time displayed, amount of data displayed, average time displayed, numberIn particular, a Web page is **requested** by the **client** from Server A (S701). This Web page contains text, as well as embedded images which...

...a CGI script, which is embedded inside the Web page using the standard HTML<img tag (S703). In attempting to render the Web page, the client will automatically fetch the resource...In another embodiment, illustrated in FIG. 8, a **client** 815 **requests** an HTML document 820 from Server A1800. The HTML document 820 has an embedded reference...

...The resource comprises two components, each of which are stored on Server A2805. Once the **client** has **requested** the HTML document 820 from Server A1800, the client downloads an executable program 825 from...program retrieves the client ID 830. Next, the client retrieves the resource ID 835. The **client** then **requests** the first component of the resource 840, which is stored on Server A2805. The client 815 then renders and/or executes the first component 850 of the resource, allowing for **user interaction** with the first component. The executable program tracks the **user**'s **interaction** with the first component 845. The **client** 815 **requests** the second component of the resource 855 and the executable program tracks the **user**'s **interaction** with the second component of the resource 860...

...Once the **user interaction** is complete 865, the executable program packages the client ID, the resource ID, and the...In another embodiment, illustrated in FIG. 9, a **client** 915 **requests** an HTML document 920 from a Server A1900. The HTML document has an embedded reference...

...After the **client** 915 has **requested** from Server A1900 the HTML document with an embedded reference to a resource, the client...this example, it is assumed that the first component of the embedded resource allows for **user interaction**. As the **user interacts** with the first component, the component keeps track of the **user**'s **interaction**. At some point, the **user interaction** may determine that it is appropriate to start the second component of the embedded resource...

...animation functionality to the client. The second component, thus downloaded and functioning 950 on the **client 915**, tracks **user interaction** with the second component. When the **user interaction** with the second component so indicates, via the logic of the script associated with the...

...Once this third component is downloaded, the client 915 renders the form 960 and allows **user interaction** for filling in the form 965. The form fill-in component tracks this **user interaction** with the component...

...At some point, the **user's interaction** will indicate that the **user** has left the HTML document which contained the resource for which the three components were...as one in which the individual components of the resource do the tracking of the **client interaction** such that the **client interaction** tracking data generated by each of the components is in the proper format, except for...

...be designed such that some or all of them do not generate data about each **user interaction** which is usable in the database 990, but rather pass the interaction data to the...executable program may decide at a given time, by way of example: based on time, **user interaction**, **request** of Server B 910, or instructions contained in the HTML document, to collect tracking information...FIG. 9, it is assumed that the first component of the embedded resource allows for **user interaction**. As the **user interacts** with the first component, the component keeps track of the **user's interaction**. At some point, the **user interaction** may determine that it is appropriate to start the second component of the embedded resource...

...animation functionality to the client. The second component, thus downloaded and functioning 950 on the **client 915**, tracks **user interaction** with the second component...

...When the **user interaction** with the second component so indicates, via the logic of the script associated with the...

...Once this third component is downloaded, the client 915 renders the form 960 and allows **user interaction** for filling in the form. The form fill-in component tracks **user interaction** with the ...not by way of limitation, the time, a request from Server B 910, a particular **user interaction**, or instructions contained in the HTML document in which the resource is embedded, the executable...

...In another embodiment, illustrated in FIG. 11, a **client 1115** requests an HTML document 1120 from a Server A11100. The HTML document has an embedded reference. After the **client 1115** has requested from Server A11100 the HTML document with an embedded reference to a resource, the client...

...this example, it is assumed that the first component of the embedded resource allows for **user interaction**; however, since in this embodiment we are not interested in tracking **user interaction** with the first component, the first component does not track user interactions. At some point, the **user interaction** may determine that it is appropriate to start the second component of the embedded resource ...

...animation functionality to the client. The second component, thus downloaded and functioning 1150 on the **client 1115**, tracks **user interaction** with the second component. As the second component tracks user interactions, it may decide to send **user interaction** information to Server B 1110. If so, the second component will retrieve ID-tagging data from the executable program and appropriately tag the **user interaction** information with the ID-tagging data 1172. The second component will then send the tagged **user interaction** information to Server B 1110 for storage in database 1190 and possible later analysis...

...When the **user interaction** with the second component so indicates, via the logic of the script associated with the...

...Once this third component is downloaded, the client 1115 renders the form 1160 and allows **user interaction** for filling in the form. The form fill-in component tracks this **user interaction** with the component...

...with the second component, the third component tracks user interactions and may decide to send **user interaction** information to Server B 1110. If so, the third component will retrieve ID-tagging data from the executable program and appropriately tag the **user interaction** information with the ID-tagging data 1170. The third component will then send the tagged **user interaction** information to Server B 1110 for storage in database 1190 and possible later analysis...

...In yet another embodiment, the tracking program is used to assemble a bill for the **user's access** to information. For example, **users** who have **access** to a live news or entertainment feed may be charged according to the amount of...

...leaves. Together with the user's ID (client and network), and billing information that the **user** was previously **requested** to enter, it is possible to determine the correct charge for the user. Similarly, a...

...also incorporates tracking mechanisms. When the page is rendered and the Crossword program commences, a **user** is able to **use** the keyboard and mouse to fill in letters on the Web page based on clues...

...server for storage (S610). When the user later returns to that page, the network or **client** ID is **used** to automatically fill in the letters in the crossword that were previously selected (As in...preferred embodiments have been described in connection with JAVA applets that are executable on a **client**, the tracking of **user interaction** may be accomplished by a client executable program written in a language other than JAVA...program running on the server can be used to determine the total time period the **user** has **interacted** with and displayed the Web page...

...Server B) are different servers, this is not a requirement of the present invention. The **network resource** (Web page) and the **tracking** program may be served out by the same server...activation of the tracking program and the uploading of a client profile based upon the **user's interaction** with a Web page or network resource...Also, while in the above-described embodiments, the **client** profile is created automatically **using** information acquired by the tracking program and one or more CGI scripts and is stored...

...manner and/or supplemented by additional information. For example, one such technique for creating a **client** profile is through the **use** of HTML "fill-in" form tags. In such cases, the client profile is created not...

...the context of Web browser software, the techniques of the invention apply equally whether the **user accesses** a local area network, a wide area network, a public network, a private network, the...

4/6,K/5 (Item 5 from file: 654)

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0005253401 **IMAGE Available

Derwent Accession: 2003-616659

Database schema for structure query language (SQL) server

Fulltext Word Count: 77185

Number of Claims: 43

Exemplary or Independent Claim Number(s):

1,7,11,15,20,23,24,25,26,27,28,37,43

Number of Drawing Sheets: 12

Number of Figures: 13

Description of the Invention:
...0766] string **UserName**

[

4/6,K/6 (Item 6 from file: 654)
DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

0005004531 **IMAGE Available
Derwent Accession: 2002-454252
System and method for tracking usage of multiple resources provided from multiple locations

Fulltext Word Count: 9201
Number of Claims: 20
Exemplary or Independent Claim Number(s): 1,12,18,20
Number of Drawing Sheets: 14
Number of Figures: 15

Description of the Invention:
...0021] The present invention provides and employs a system, herein call the Broken Image **Tracking** ("BIT") system, for **tracking** user information for users of a **web resource**, such as a web site, web tool, or shared web application. With BIT, the web page generating program (e.g., a web tool program) inserts a "broken image" **tag** in various (or even all) of the web pages transmitted to a user. In general, a BIT tag is a HTML **image tag** (or equivalent) with a BIT URL, i.e., a URL that includes embedded user information...
...image-retrieving browser to an information gathering ("broken image") web server. With the designated broken **image** file in the **URL**, the broken image server will attempt but will not be able to find and retrieve...convenient-especially when relevant user information for a given web tool is being collected for **users accessing** the web tool through multiple implementations and/or instantiations of the web tool such as...

4/6,K/7 (Item 7 from file: 654)
DIALOG(R)File 654:(c) Format only 2004 The Dialog Corp. All rts. reserv.

4403806 **IMAGE Available
Derwent Accession: 2001-158052
Utility
E/ Method and apparatus for tracking client interaction with a network resource and creating client profiles and resource database

Fulltext Word Count: 12972
Number of Claims: 53
Exemplary or Independent Claim Number(s): 1
Number of Drawing Sheets: 7
Number of Figures: 7
Number of US cited patent references: 9

Description of the Invention:
...Accordingly, as will be appreciated by those of ordinary skill in the art, as **used** herein, the term "**client**" refers to a client computer (or machine) on a network, or to a process, such...
...for example, a "client machine" can store and one or more "client processes." The term "**user**" is **used** to broadly refer to one or more persons that **use** a particular **client** machine...that utilize the Hypertext Transfer Protocol (HTTP). HTTP is a known application protocol that provides **users access** to resources (which can be information in different formats such as text, graphics, images, sound...
...are specified via a Uniform Resource Locator or "URL". Upon specification of a link, the **client** makes a TCP/IP **request** to the server and receives information that was specified in that URL (for

example another...instruction sets, sound and video files in addition to HTML documents (Web pages) to the **requesting client** .

...

...a different server than the resource, in which case it may be obtained by the **client** through a TCP/IP **request** to the other server. The tracking program executes on a client machine, and is stored...

...such as time, mouse events, keyboard events, and the like, in order to track a **user** 's **interaction** with the Web page. Thus, the tracking program may simply monitor the amount of time the **user** spends **interacting** with the Web page, or may monitor details of choices (such as links) made by...resource obtained over the network (or temporarily store a copy of the resource on the **user** 's computer), and may **use** the cached copy of the resource instead of obtaining it over the Internet when the...or all mouse and keyboard events to provide meaningful data to the server concerning the **user** 's **interaction** with the Web page...

...a client when the HTML document is served to the client in response to a **client** TCP/IP **request** . During or after the **client** formats and displays the Web page specified by the HTML document, the tracking program beginsAs illustrated, for example, in FIG. 3, the **client** issues a TCP/IP **request** for a Web page located on a Server A (S301). After a handshaking period, the...

...client leaves the Web page (S307), the tracking program calculates the amount of time the **user** has **interacted** with and displayed the Web page and sends this information to a server. Other available...rates of 64 through 128 kilobits per second, and standard phone lines, over which most **users** transmit data, currently transmit **using** modems at approximately 28.8 kilobits per second. In the case of a 640X480 pixel...makes a request for information from a server it typically includes certain information about the **client** in the "HTTP **request** header." The server receiving the request can obtain and store this information using known means...ID, the associated link (the URL of the Web page), the amount of time the **user** spent **interacting** with the Web page, and any selections or choices made by the **user** while **interacting** with the Web page. Thus, the above-described tracking program permits Web site administrators and...

...a particular Web page, but also permits the accurate determination of the length of time **users** have displayed and/or **interacted** with their Web page. This is invaluable information to Internet advertisers, among others, and permits...of the invention is illustrated in FIG. 4. A Web page (or HTML document) is **requested** by the **client** from a first server A, using TCP/IP and HTTP protocols (S401). This HTML document...

...the Internet. These images are embedded inside the Web page using the known HTML **** **tag** , which allows one to specify the source URL for an image, as well as additional...

...such as size and other layout parameters. These images will then be fetched by the **client** **using** TCP/IP and HTTP protocols from Server A (S402) and rendered on the browser (S405...

...a CGI script. This resource is also embedded inside the Web page using the **** **tag** . Thus, in attempting to render the Web page, the client will automatically fetch this resource...timer of the tracking program may be used in monitor the amount of time a **user** spends **interacting** with a portion of a Web page. For example, if the Web page is provided...

...activated by clicking on a particular button, the tracking program may determine how long a **user** has **interacted** with such a selection. In the case of a Web page provided with an ad banner, the tracking program can be designed to monitor the amount of time a **user** has **interacted** with the ad banner...user is exposed to an ad banner having information targeted to their particular interests, the **user** is more likely to **interact** with that ad banner for a longer period of time and on a more

frequent...

...the particular interests of respective users, an ad banner may include specific information permitting the **user** to **interact** in different ways with the banner. The ad banner may have pull-down menu options...is downloaded, as described above, with the HTML document in response to a TCP/IP **client request**. As above, the tracking program may monitor the amount of time the user spends displaying...

...the ad banner embedded in the Web page as a whole, but also monitors the **user's interaction** with the Web page and the ad banner, such as by monitoring each of the...Previous choices made by a user on a particular client computer and stored in a **user** profile database may be **used** to determine which of the resources is to be downloaded to that **client** **using** simple logical processing instructions. For instance, a user profile which indicates that a user has...

...A particular implementation of this mechanism is illustrated in FIG. 6. A Web page is **requested** by the **client** from Server A (S601). This Web page contains text, as well as embedded images which...

...CGI script 1, which is embedded inside the Web page using the standard HTML **<IMG tag** (S603). In attempting to render the Web page, the client will automatically fetch the resource associated with the **<IMG tag** on Server B, which will result in execution of the CGI script 1. This CGI...as URL), and includes information such as URL of the Web document, number of times **accessed**, identity of **clients** that **accessed** the Web document, amount of time displayed, amount of data displayed, average time displayed, numberIn particular, a Web page is **requested** by the **client** from Server A (S701). This Web page contains text, as well as embedded images which...

...a CGI script, which is embedded inside the Web page using the standard HTML **<IMG tag** (S703). In attempting to render the Web page, the client will automatically fetch the resource...In yet another embodiment, the tracking program is used to assemble a bill for the **user's access** to information. For example, **users** who have **access** to a live news or entertainment feed may be charged according to the amount of ...

...leaves. Together with the user's ID (client and network), and billing information that the **user** was previously **requested** to enter, it is possible ...also incorporates tracking mechanisms. When the page is rendered and the Crossword program commences, a **user** is able to **use** the keyboard and mouse to fill in letters on the Web page based on clues ...

...server for storage (S610). When the user later returns to that page, the network or **client** ID is **used** to automatically fill in the letters in the crossword that were previously selected (As in...preferred embodiments have been described in connection with JAVA applets that are executable on a **client**, the tracking of **user interaction** may be accomplished by a client executable program written in a language other than JAVA...program running on the server can be used to determine the total time period the **user** has **interacted** with and displayed the Web page...

...Server B) are different servers, this is not a requirement of the present invention. The **network resource** (Web page) and the **tracking** program may be served out by the same server...activation of the tracking program and the uploading of a client profile based upon the **user's interaction** with a Web page or network resource...Also, while in the above-described embodiments, the **client** profile is created automatically **using** information acquired by the tracking program and one or more CGI scripts and is stored...

...manner and/or supplemented by additional information, For example, one such technique for creating a **client** profile is through the **use** of HTML "fill-in" form tags. In such cases, the client profile is created not...

...the context of Web browser software, the techniques of the invention apply equally whether the **user accesses** a local area network, a wide area network, a public network, a private network, the...

4/6,K/8 (Item 8 from file: 654)

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4027519 **IMAGE Available
Derwent Accession: 1998-467071

Utility

E/ Method and apparatus for tracking client interaction with a network resource and creating client profiles and resource database
; IN A COMPUTER NETWORK

Fulltext Word Count: 14664

Number of Claims: 71

Exemplary or Independent Claim Number(s): 1

Number of Drawing Sheets: 7

Number of Figures: 7

Number of US cited patent references: 8

Number of non-patent cited references: 2

Description of the Invention:

...Accordingly, as will be appreciated by those of ordinary skill in the art, as **used** herein, the term "**client**" refers to a client computer (or machine) on a network, or to a process, such...

...for example, a "client machine" can store and one or more "client processes." The term "**user**" is **used** to broadly refer to one or more persons that **use** a particular **client** machine...

...that utilize the Hypertext Transfer Protocol (HTTP). HTTP is a known application protocol that provides **users access** to resources (which can be information in different formats such as text, graphics, images, sound...

...are specified via a Uniform Resource Locator or "URL". Upon specification of a link, the **client** makes a TCP/IP **request** to the server and receives information that was specified in that URL (for example another...instruction sets, sound and video files in addition to HTML documents (Web pages) to the **requesting client** .

...

...a different server than the resource, in which case it may be obtained by the **client** through a TCP/IP **request** to the other server. The tracking program executes on a client machine, and is stored...

...such as time, mouse events, keyboard events, and the like, in order to track a **user**'s **interaction** with the Web page. Thus, the tracking program may simply monitor the amount of time the **user** spends **interacting** with the Web page, or may monitor details of choices (such as links) made by...

...resource obtained over the network (or temporarily store a copy of the resource on the **user**'s computer), and may **use** the cached copy of the resource instead of obtaining it over the Internet when the...or all mouse and keyboard events to provide meaningful data to the server concerning the **user**'s **interaction** with the Web page...

...a client when the HTML document is served to the client in response to a **client** TCP/IP **request** . During or after the **client** formats and displays the Web page specified by the HTML document, the tracking program begins...

...As illustrated, for example, in FIG. 3, the **client** issues a TCP/IP **request** for a Web page located on a Server A (S301). After a handshaking period, the...

...client leaves the Web page (S307), the tracking program calculates the amount of time the **user** has **interacted** with and displayed the Web page and sends this information to a server. Other available...rates of 64 through 128 kilobits per second, and standard phone lines, over which most **users** transmit data, currently transmit **using** modems at approximately 28.8 kilobits per second. In the case of a 640X480 pixel... makes a request for information from a server it typically includes certain information about the **client** in the "HTTP request header." The server receiving the request can obtain and store this information using known means...

...ID, the associated link (the URL of the Web page), the amount of time the **user** spent **interacting** with the Web page, and any selections or choices made by the **user** while **interacting** with the Web page. Thus, the above-described tracking program permits Web site administrators and ...

...a particular Web page, but also permits the accurate determination of the length of time **users** have displayed and/or **interacted** with their Web page. This is invaluable information to Internet advertisers, among others, and permits...

...of the invention is illustrated in FIG. 4. A Web page (or HTML document) is **requested** by the **client** from a first server A, using TCP/IP and HTTP protocols (S401). This HTML document...

...the Internet. These images are embedded inside the Web page using the known HTML **<IMG tag**, which allows one to specify the source URL for an image, as well as additional...

...such as size and other layout parameters. These images will then be fetched by the **client** **using** TCP/IP and HTTP protocols from Server A (S402) and rendered on the browser (S405...

...a CGI script. This resource is also embedded inside the Web page using the **<IMG tag**. Thus, in attempting to render the Web page, the client will automatically fetch this resource...timer of the tracking program may be used in monitor the amount of time a **user** spends **interacting** with a portion of a Web page. For example, if the Web page is provided...

...activated by clicking on a particular button, the tracking program may determine how long a **user** has **interacted** with such a selection. In the case of a Web page provided with an ad banner, the tracking program can be designed to monitor the amount of time a **user** has **interacted** with the ad banner...

...user is exposed to an ad banner having information targeted to their particular interests, the **user** is more likely to **interact** with that ad banner for a longer period of time and on a more frequent...

...the particular interests of respective users, an ad banner may include specific information permitting the **user** to **interact** in different ways with the banner. The ad banner may have pull-down menu options...

...is downloaded, as described above, with the HTML document in response to a TCP/IP **client request**. As above, the tracking program may monitor the amount of time the user spends displaying...

...the ad banner embedded in the Web page as a whole, but also monitors the **user's interaction** with the Web page and the ad banner, such as by monitoring each of the...Previous choices made by a user on a particular client computer and stored in a **user** profile database may be **used** to determine which of the resources is to be downloaded to that **client** **using** simple logical processing instructions. For instance, a user profile which indicates that a user has...

...A particular implementation of this mechanism is illustrated in FIG. 6. A Web page is **requested** by the **client** from Server A (S601). This Web

page contains text, as well as embedded images which...

...CGI script 1, which is embedded inside the Web page using the standard HTML `<IMG tag (S603)`. In attempting to render the Web page, the client will automatically fetch the resource associated with the `<IMG tag` on Server B, which will result in execution of the CGI script 1. This CGI...as URL), and includes information such as URL of the Web document, number of times **accessed**, identity of **clients** that **accessed** the Web document, amount of time displayed, amount of data displayed, average time displayed, number...

...In particular, a Web page is **requested** by the **client** from Server A (S701). This Web page contains text, as well as embedded images which...

...a CGI script, which is embedded inside the Web page using the standard HTML `<IMG tag (S703)`. In attempting to render the Web page, the client will automatically fetch the resource...

...In yet another embodiment, the tracking program is used to assemble a bill for the **user**'s **access** to information. For example, **users** who have **access** to a live news or entertainment feed may be charged according to the amount of...

...leaves. Together with the user's ID (client and network), and billing information that the **user** was previously **requested** to enter, it is possible ...also incorporates tracking mechanisms. When the page is rendered and the Crossword program commences, a **user** is able to **use** the keyboard and mouse to fill in letters on the Web page based on clues ...

...server for storage (S610). When the user later returns to that page, the network or **client** ID is **used** to automatically fill in the letters in the crossword that were previously selected (As in...

...preferred embodiments have been described in connection with JAVA applets that are executable on a **client**, the tracking of **user interaction** may be accomplished by a client executable program written in a language other than JAVA...

...program running on the server can be used to determine the total time period the **user** has **interacted** with and displayed the Web page...

...Server B) are different servers, this is not a requirement of the present invention. The **network resource** (Web page) and the **tracking** program may be served out by the same server...activation of the tracking program and the uploading of a client profile based upon the **user**'s **interaction** with a Web page or network resource...

...Also, while in the above-described embodiments, the **client** profile is created automatically **using** information acquired by the tracking program and one or more CGI scripts and is stored...

...manner and/or supplemented by additional information. For example, one such technique for creating a **client** profile is through the **use** of HTML "fill-in" form tags. In such cases, the client profile is created not...

...the context of Web browser software, the techniques of the invention apply equally whether the **user** **accesses** a local area network, a wide area network, a public network, a private network, th